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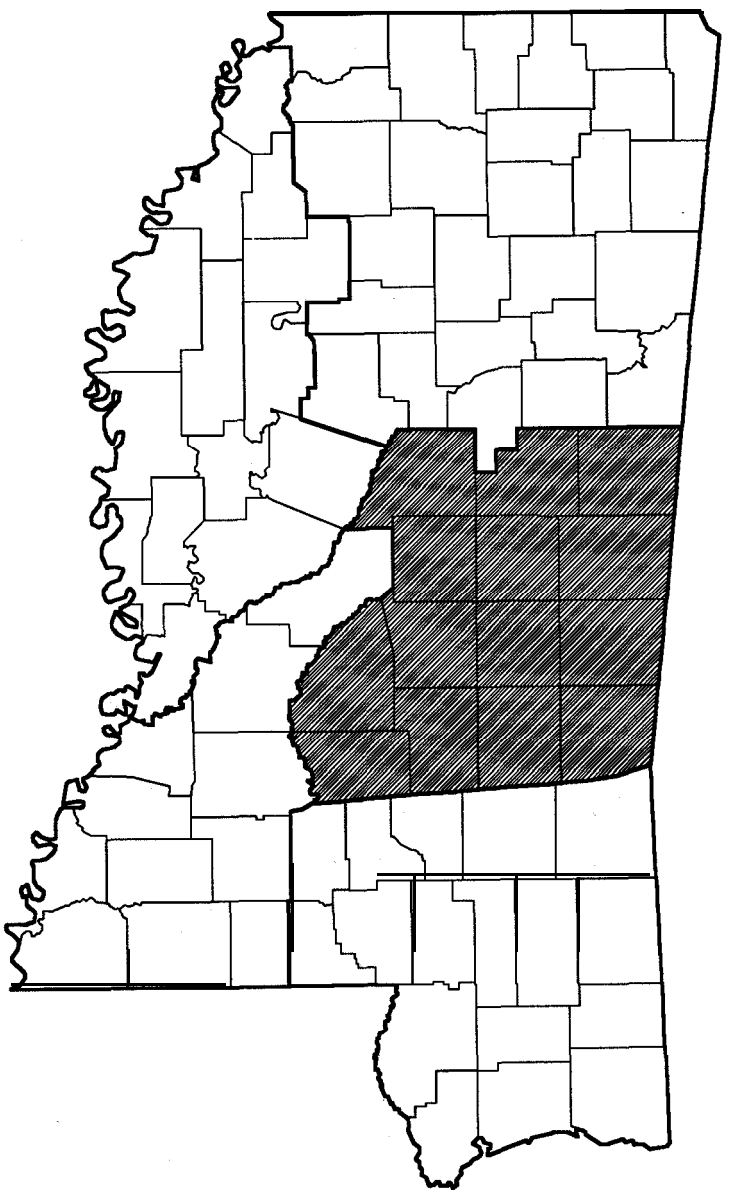
Forest Statistics for Central Mississippi Counties-1994

Joanne L. Faulkner, Patrick E. Miller,
Andrew J. Hartsell, and Jack D. London



FOREWORD

The USDA Forest Service, Southern Forest Experiment Station, Forest Inventory and Analysis (SO-FIA) unit, conducts forest inventories covering Alabama, Arkansas, Louisiana, Mississippi, east Oklahoma, Tennessee, east Texas, and the Commonwealth of Puerto Rico.

The SO-FIA forest inventories are part of a nationwide effort originally authorized by the McSweeney–McNary Act of 1928. More recent legislation pertinent to the SO-FIA mission includes the Forest and Rangeland Renewable Resources Planning Act of 1974 and the Forest and Rangeland Renewable Resources Research Act of 1978. The SO-FIA mission is to develop, to analyze, and to maintain forest resource information that is essential for formulation of forest policies and programs.

ACKNOWLEDGMENTS

The SO-FIA unit gratefully acknowledges the cooperation and assistance provided by the Mississippi Forestry Commission in collecting field data, particularly in Rankin and Leake counties. Appreciation is also expressed for the cooperation of other public agencies and private landowners in providing access to measurement plots.

The following members of the SO-FIA staff completed the field measurements:

Ben Baumgart
Karla Bumley
Kelly Gouge
Darin Hinesly
Eric Johnson
Jennifer Lepley
Rick Marcrum
Jennifer Martin
Travis Mills
Jan Moore
Walter Passmore
Leslie Prewitt
Kenneth Reed
Thomas Shipkey
Brian Slagle
Blaine Tarbell
Ernest Walley

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*Core tables are presented in response to the Southern Industrial Forestry Research Council's recommendations. These tables are identical among Forest Inventory and Analysis units in the Eastern United States.

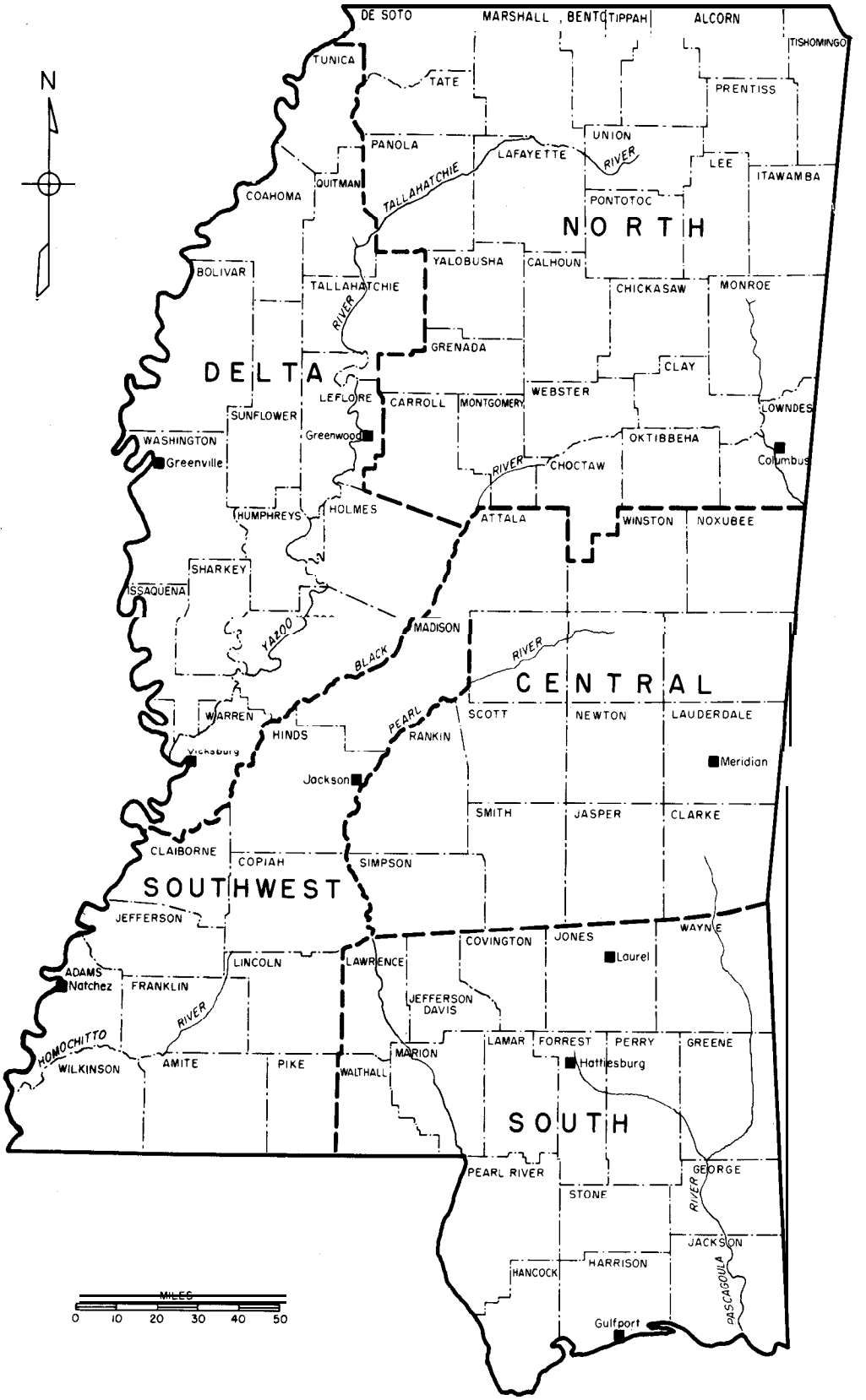

Figure *in Mississippi.*

Forest Statistics for Central Mississippi Counties-1994

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INTRODUCTION

Tabulated results were derived from data obtained during a 1994 forest inventory of central Mississippi counties (fig. 1). Field work was conducted from July 1993 to March 1994. Core tables 1 through 25 are compatible among Forest Inventory and Analysis (FIA) units in the Eastern United States. Supplemental tables 26 through 44 provide information beyond that provided by the core tables. Comparisons are made between results of the 1994 inventory and previous inventories conducted in 1987 and 1977.

METHODS

The Southern Forest Experiment Station, Forest Inventory and Analysis unit (SO-FIA) uses a two-phase sample of temporary aerial-photo points and a systematic grid of permanent ground plots. The area of forested land was determined by photointerpretation of temporary points and field checks of permanent plots. Field measurements were conducted on a subset of permanent plots spaced 3 miles apart. Trees were measured on plots that were forested at the time of the current inventory or at the time of the previous inventory.

Each plot consisted of 10 satellite points spread over about 1 acre. At each point, trees 5.0 inches in diameter at breast height (d.b.h.) and larger were selected for measurement on a variable-radius plot defined by a 37.5-factor prism. Thus, each tree selected with the prism represented 3.75 square feet of basal area per acre. Trees from 1 .O to 4.9 inches in d.b.h. were tallied on a 1/275-acre fixed plot at each of the first three points and at any remaining points where fewer than two trees 5.0 inches in d.b.h. or larger were tallied. If no trees greater than 1 .O inch were tallied at a point, then seedlings were tallied. Several plot-level measurements relating to timber and other forest resources were also collected.

Tree data were used to estimate volume, basal area, number of trees, and other plot-level variables. Ownership information was obtained for each measurement plot using tax records and other sources. Plot-level estimates were expanded using county-level factors derived as part of the forest area determination.

Over successive inventories, techniques have evolved so that some changes have been instituted. In recent inventories these changes have been mostly minor in scale and have been instituted because of the availability of better methods or to achieve greater compatibility among FIA units. These changes may, in some cases, affect the ability to discern minor shifts in resource trends.

The major change affecting the 1994 inventory is the modified tree classification system that has been in effect since the 1988 inventory of Arkansas. Tree grade 5 is used to designate trees capable of producing at least one 12-foot log or two 8-foot logs in the sawlog portion, but not capable of producing a gradable 12-foot log in the butt 1 6-foot section. These trees–formerly classified as rough or rotten culls-are now included in growing stock. In previous inventories where this revision has been in effect, these trees have increased softwood growing-stock volume 1 to 2 percent and hardwood, 6 to 8 percent. Comparisons of the current inventory with previous estimates of growing stock are based on data that have been reprocessed to account for the change in definition as far as possible.

Another change affecting the classification of growing-stock trees is the requirement that at least one-third of the volume in the sawlog section (or prospective volume, in the case of smaller-than-sawtimber size trees) has to be utilizable. Previously, one-half the volume had to be utilizable. In the previous inventories where this revision in utilizable volume has been in effect, few trees have been affected.

Two final changes affecting trend analysis involve area estimate changes. First, the use of the U.S. Census Bureau's land area estimates for the determination of the land area expanders affects area change analysis. In the 1987 survey, the U.S. Census Bureau's 1980 land area estimates were used; in the 1994 survey, the 1990 land area estimates were used. The result of this change is that total land area in this unit decreased 16,100 acres from the 1987 to 1994 forest surveys. Much of this change is due to the Census Bureau's new definition of the water classification, which includes areas previously classified as land. Another change affecting area trend analysis concerns the classification of national forest lands. In the 1987 survey, forest area for all ownerships was calculated based on an estimate of forest area for the county. That is, each national forest plot's expansion factor was based on the forest area for the county in which the plot occurred. For the 1994 survey of Mississippi, national forest lands were enumerated, and each plot's expansion factor was based on the forest area of national forest lands in that county.

Because of the revised definitions and to better assess trends, analysis of trends in inventory volume, growth, removals, and mortality will focus on live trees, rather than growing-stock, as had been done in the past.

Joanne L. Faulkner is research forester and Patrick E. Miller, Andrew J. Hartsell, and Jack D. London are foresters, U.S. Department of Agriculture, Forest Service, Southern Forest Experiment Station, Forest Inventory and Analysis, Starkville, MS 39759

Table 1.—*Sampling errors* for timberland, live trees, growing stock, and sawtimber, central Mississippi counties, 1994*

County	Timberland	Live trees			Growing stock			Sawtimber volume
		Volume	Growth	Removals	Volume	Growth	Removals	
	Percent							
Attala	1.8	12.1	7.8	23.1	12.7	8.0	23.0	18.2
Clarke	1.5	11.0	10.5	27.2	11.4	11.1	27.4	16.6
Jasper	2.1	10.1	10.5	23.1	10.1	9.8	23.0	13.3
Kemper	1.7	8.9	8.4	18.6	9.5	8.5	18.6	14.1
Lauderdale	1.9	11.5	11.3	18.6	11.7	11.3	18.6	16.5
Leake	1.6	15.0	12.9	38.9	15.8	14.7	39.3	23.0
Neshoba	3.1	12.9	9.5	20.9	13.1	8.4	21.1	16.3
Newton	2.5	12.7	10.0	26.1	12.8	9.9	26.0	15.8
Noxubee	2.5	12.6	14.1	28.8	12.9	13.9	29.1	16.1
Rankin	1.5	11.9	13.9	17.9	12.4	14.0	18.1	16.3
Scott	2.3	12.7	10.9	21.0	13.4	11.5	20.9	17.0
Simpson	3.0	13.0	12.3	35.3	13.9	13.0	35.9	19.5
Smith	2.0	13.5	10.4	23.1	14.1	10.8	23.5	17.2
Winston	2.4	11.9	18.6	35.4	12.4	17.0	35.8	16.5
All counties	0.6	3.3	3.1	6.5	3.4	3.1	6.5	4.7

*By random-sampling formula.

STATISTICAL RELIABILITY

The sampling methods were designed to achieve suitable sampling errors for estimates of area and volume at the State level. Sampling error increases as the area or volume considered decreases. The sampling errors presented in table 1 are equal to one standard deviation for the sample estimates and may be used to compute confidence intervals for population data.

As an example, the 95-percent confidence interval for growing-stock volume in central Mississippi counties is computed as follows:

$$5{,}107.1 \pm 1.96(0.034 \times 5{,}107.1) = 5{,}107.1 \pm 340.3$$

where 1.96 is the number of standard deviations. Therefore, the 95-percent confidence interval is 4,766.8 to 5,447.4 million cubic feet. This interval captures the true growing-stock inventory volume for the region unless a 1-in-20 chance of a random event has occurred.

The results are reported for individual counties, thereby allowing computation of statistical confidence for any combination of counties. Values for individual counties are subject to high sampling errors; users are cautioned about using data for single counties. The sampling error may be estimated for any group of counties by the following formula:

$$SE_g = SE_t \frac{\sqrt{X_t}}{\sqrt{X_g}}$$

where

SE_g = standard error of estimate (expressed as a percentage) for the group of counties desired

SE_t = standard error of estimate (expressed as a percentage) for the unit

X_g = sum of values for the variable of interest (area or volume) for the group of counties to be combined

X_t = total area or volume for the unit.

For example, the estimate of sampling error for growing-stock volume in Kemper, Neshoba, Noxubee, and Winston Counties is computed as:

$$SE_g = 3.4 \frac{\sqrt{5{,}107.1}}{\sqrt{11{,}396.5}} = 6.5.$$

Thus, the sampling error is 6.5 percent, and the resulting 95-percent confidence interval for growing-stock volume in the four-county area is 1,396.5 ± 177.9 million cubic feet.

Table IL-Componenrs *of annual change in the volume of live trees by inventory period and species group, central Mississippi counties, 1994**

Inventory period and species group	Gross growth		Removals
	Net growth	Mortality	
	Million cubic feet		
1977 to 1987			
Softwoods	162.3	28.4	181.4
Hardwoods	114.8	25.0	79.9
Total	277.1	53.4	261.3
1987 to 1994			
Softwoods	208.0	23.4	228.5
Hardwoods	114.5	25.3	133.2
Total	322.5	48.7	361.8

*Numbers in columns may not add to totals due to rounding.

HIGHLIGHTS

A rea

The central Mississippi survey unit is 76 percent forested, with 4,485,300 acres of forest land, al1 of which is timberland. This is a 9 percent increase in timberland area in this unit since the 1987 forest survey, when the unit was 69 percent forested. Other private ownerships increased 15 percent to 3,264,400 acres of timberland. Forest industry-owned timberland decreased 5 percent to 926,500 acres. Excluding national forests, public timberland increased 16 percent to 89,100 acres. Overall, public ownership accounts for 7 percent, forest industry accounts for 21 percent, and other private owners account for 73 percent of the timberland in this unit.

Loblolly-shortleaf pine forest type predominates in this unit, covering 37 percent of the timberland. Area in this forest type increased since 1987, up 27 percent to 1,652,300 acres. Oak-hickory forest type area covers 29 percent of the timberland, increasing 3 percent since 1987 to 1,281,700 acres. Oak–pine area accounts for 19 percent of the timberland, an 8 percent decrease from 1987 to 841,600 acres. Oak-gum-cypress forest type area increased 12 percent to 686,600 acres in 1994, and now covers 15 percent of the timberland. Longleaf-slash pine and elm-ash-cottonwood forest types both cover less than one percent of the timberland in this unit. Planted pine type forests increased 125 percent since 1987 to 763,000 acres. These forests now cover 17 percent of the timberland, compared with 8 percent in 1987.

This large increase in planted pine type forests is also reflected in the timberland composition by stand-size class. Sapling-seedling stands increased 24 percent since 1987 to 1,836,900 acres. Sawtimber stands decreased one percent to 1,763,700 acres. Poletimber stands increased 8 percent to 884,700 acres. There were an estimated 10,600 acres of nonstocked land in 1987, but none was evident in 1994. In 1987, sapling-seedling stands were second behind sawtimber in area of timberland. In 1994, sawtimber stands moved to second behind sapling-seedling stands in area of timberland.

Stand structure

Overall, there was a 14 percent increase in the number of al1 live trees. The largest increases were in softwoods, up 36 percent to 782,75 1 thousand trees. Hardwoods increased 9 percent to 2,431,874 thousand trees. For both softwoods and hardwoods combined, there were large increases in trees from 1 .O to 8.9 inches in d.b.h., with decreases or small increases in trees 9.0 inches and greater in diameter.

For softwoods, the number of al1 live trees increased 49 percent in trees less than 5.0 inches in d.b.h. Softwood trees from 5.0 to 8.9 inches in d.b.h. increased 28 percent since 1987. There was an 8 percent decrease in al1 live softwood trees from 9.0 to 16.9 inches in d.b.h. For softwoods 17.0 inches in d.b.h. and greater, there was an 8 percent increase in the number of al1 live trees.

There was an ll percent increase in the number of al1 live hardwoods less than 5.0 inches in d.b.h. since 1987. There were decreases in the number of al1 live hardwoods for trees in al1 diameter classes from 5.0 to 20.9 inches in d.b.h., except for no change in the 15.0- to 16.9-inch class. This resulted in an overal1 4 percent decrease in the number of al1 live hardwoods from 5.0 to 20.9 inches in d.b.h. Hardwoods 21 .O inches in d.b.h. and larger increased 12 percent.

The average basal area of al1 live trees is 74.7 square feet per acre, a 5 percent decrease since 1987. Softwoods account for 43 percent of the total basal area, compared with 40 percent in 1987. Hardwoods account for 57 percent of the total basal area, compared with 60 percent in 1987.

Softwood sawtimber basal area, while decreasing 13 percent since 1987, still accounts for the greatest amount of basal area, comprising 23 percent of the total basal area. Softwood sapling-seedling basal area increased 46 percent since 1987, and accounts for 7 percent of the total basal area. Softwood poletimber basal area increased 15 percent and accounts for 12 percent of the total basal area. Overall, softwood basal area increased only 1 percent since 1987 to 3 1.9 square feet per acre.

Hardwood poletimber and sawtimber basal area decreased 13 and 12 percent, respectively, but each account for 20 percent of the total basal area. Hardwood sapling-seedling basal area

decreased one percent since 1987, but accounts for 17 percent of the total basal area. Overall, hardwood basal area decreased 9 percent to 42.9 square feet per acre.

Inventory

Both softwood live-tree and growing stock volume did not change since 1987. Softwoods comprise 53 percent of the total all live volume in this unit. Loblolly pine volume increased 10 percent since 1987 and accounts for 41 percent of the total live-tree volume in 1994, compared with 37 percent of the total in 1987. Loblolly comprises 78 percent of the softwood live-tree volume, compared with 71 percent in 1987.

Shortleaf pine volume decreased 25 percent and accounts for 9 percent of the total live-tree volume and 16 percent of the softwood live-tree volume. In 1987, shortleaf pine accounted for ll percent of the total and 22 percent of the softwood live-tree volume.

Other softwood species do not account for much volume in this survey unit. Spruce pine accounts for 3 percent of the total softwood volume. Longleaf pine and slash pine account for only 1 percent each of the softwood all live volume. Redcedars and cypress combined account for 1 percent of the softwood all live volume.

Total hardwood all live volume did not change statistically since 1987, and accounts for 47 percent of the total all live volume. Seven species groups account for 8 1 percent of the hardwood all live volume: other red oaks, sweetgum, select white oaks, hickories, other white oaks, select red oaks, and yellow-poplar.

Other red oaks volume decreased 7 percent since 1987, but still ranks second behind loblolly pine, accoùnting for 13 percent of the total all live volume. Other red oaks account for 28 percent of the hardwood all live volume.

Sweetgum volume increased 5 percent, but still comprises 9 percent of the total all live volume. Sweetgum accounts for 19 percent of the hardwood all live volume. Select white oaks volume decreased 8 percent, but still accounts for 10 percent of the hardwood all live volume. Volume of hickories decreased 12 percent and accounts for 7 percent of the hardwood all live volume. Other white oaks volume decreased 15 percent and now accounts for 6 percent of the hardwood all live volume, compared with 7 percent in 1987. Select red oaks volume increased 2 percent and now accounts for 6 percent of the hardwood total, up from 5 percent in 1987. Yellow-poplar volume increased 13 percent and now comprises 5 percent of the hardwood total, up from 4 percent in 1987.

The same volume on more timberland caused the average live-tree volume per acre to decrease 10 percent, from 1,357 cubic feet to 1,222 cubic feet. Softwood volume per acre is 644 cubic feet, down 9 percent since 1987. Hardwood volume per acre is 578 cubic feet, down 11 percent since 1987.

Softwood sawtimber volume did not change statistically since 1987 and accounts for 66 percent of the total sawtimber volume. Grade 1 volume increased 87 percent, and accounts for 28 percent of the softwood sawtimber volume. Grade 2 sawtimber volume increased 21 percent for softwoods, and accounts for 22 percent of the softwood sawtimber volume. Volume in grade 3 decreased 30 percent and accounts for 48 percent of the softwood total, down from 67 percent of the softwood total in 1987. Grade 5 volume for softwoods increased 31 percent, but only accounts for 2 percent of the softwood sawtimber volume.

Hardwood sawtimber volume did not change statistically and accounts for 34 percent of the total sawtimber volume. Hardwood volume increased 102 percent for Grade 1, which accounts for 12 percent of the hardwood sawtimber volume, up from 6 percent in 1987. Grade 2 volume increased 45 percent and accounts for 24 percent of the hardwood sawtimber volume. Grade 3 volume decreased 33 percent for hardwoods. While grade 3 accounts for the majority of the hardwood sawtimber volume, the proportion of hardwood sawtimber volume in grade 3 is now 38 percent, compared with 55 percent in 1987. Hardwood sawtimber volume in grade 4 increased 2 percent and accounts for 19 percent of hardwood sawtimber volume, up from 18 percent in 1987. Grade 5 volume increased 7 percent and accounts for 7 percent of the hardwood total, up from 6 percent in 1987.

Components of change

Average net annual all live growth for 1987 to 1994 increased 6 percent to 7 1.9 cubic feet per acre per year over the previous period (1937 to 1987). Softwood growth per acre per year increased 17 percent to 46.4 cubic feet, while hardwood growth per acre per year decreased 9 percent to 25.6 cubic feet. Within the unit, softwood all live growth increased 28 percent, while hardwood all live growth was unchanged.

Average annual live-tree mortality decreased 18 percent for softwoods.

Average annual live-tree removals increased for both softwoods and hardwoods, up 26 and 67 percent respectively. Hardwoods now comprise 37 percent of al1 live removals, up from 31 percent of all live removals for the previous period. Softwoods now account for 63 percent of all live removals, down from 69 percent for the previous period.

Softwood sawtimber removals increased 45 percent, while hardwood sawtimber removals increased 113 percent.

For both softwoods and hardwoods, the average net annual all live growth-to-removals ratios, accounting for sampling error, indicate no change in the inventory. However, if removals trends continue, there is the possibility of a decreasing inventory in the future.

Conclusions

The results of the 1994 forest survey of central Mississippi counties revealed a 9 percent increase in timberland area. Planted pine type forests showed a large increase. Sapling-seedling stands now cover the majority of the timberland, overtaking sawtimber stands which ranked first in the previous survey.

Average net annual live-tree growth for softwoods increased 28 percent, but hardwood growth was unchanged. Average net annual live-tree removals increased 26 percent for softwoods and 67 percent for hardwoods.

While there was no statistical change in the current inventory, a continuation of current removals trends could indicate a decreasing inventory in the future.

APPENDIX

Definition of Terms

Dimension Classes of Trees

Poletimber trees-Softwoods 5.0 inches to 8.9 inches in diameter at breast height (d.b.h.) and hardwoods 5.0 to 10.9 inches in d.b.h.

Rough, rotten, and salvable dead trees—See "tree classes."

Saplings-Trees 1.0 inch to 4.9 inches in d.b.h.

Sawtimber trees-Trees 9.0 inches and larger in d.b.h. for softwoods and 11 .O inches and larger for hardwoods.

Seedlings-Trees less than 1.0 inch in d.b.h. and greater than 1 foot tall for hardwoods, greater than 6 inches tall for softwoods, and greater than 0.5 inch in diameter at ground level for longleaf pine.

Forest Land Classes

Forest land-Land at least 10 percent stocked by forest trees of any size, or formerly having such tree cover, and not currently developed for nonforest uses. Minimum area considered for classification is 1 acre. Forest land is divided into timberland, reserved timberland, and woodland.

Reserved timberland-Productive public forest land withdrawn from timber utilization through statute or administrative regulations.

Timberland-Forest land that is producing, or is capable of producing, crops of industrial wood and is not withdrawn from timber utilization. Timberland is synonymous with "commercial forest land" in prior reports.

Woodland-Forest land incapable of yielding crops of industrial wood because of adverse site conditions.

Forest Types

Elm–ash–cottonwood—Forests in which elms, ashes, or cottonwoods, singly or in combination, comprise a plurality of the stocking. Common associates include willows, sycamore, American beech, and maples.

Loblolly-shortleaf pine-Forests in which pines (except longleaf and slash pines) and eastern redcedar, singly or in combination, comprise a plurality of the stocking. Common associates include oaks, hickories, and gums.

Longleaf-slash pine-Forests in which longleaf or slash pines, singly or in combination, comprise a plurality of the stocking. Common associates include other southern pines, oaks, and gums.

Nontyped-Timberland currently unoccupied by any live trees or seedlings; for example, very recent clearcut areas.

Oak–gum–cypress—Bottomland forests in which tupelo, blackgum, sweetgum, oaks, or southern cypress, singly or in combination, comprise a plurality of the stocking except where pines comprise 25 to 49 percent, in which case the stand would be classified oak-pine. Common associates include cottonwoods, willows, ashes, elms, hackberry, and maples.

Oak-hickory-Forests in which upland oaks or hickories, singly or in combination, comprise a plurality of the stocking, except where pines comprise 25 to 49 percent, in which case the stand would be classified oak-pine. Common associates include yellow-poplar, elms, maples, and black walnut.

Oak-pine-Forests in which hardwoods (usually upland oaks) comprise a plurality of the stocking, but in which softwoods, except cypress, comprise 25 to 49 percent of the stocking. Common associates include gums, hickories, and yellow-poplar.

Growth Classes

Gross growth—Total increase in stand volume computed on growing-stock trees or live trees at least 5.0 inches in d.b.h. Gross growth equals survivor growth, plus ingrowth, plus growth on removals, plus growth on mortality, plus cull increment (for growing stock computations). Gross growth includes mortality.

Net change—Increase or decrease in stand volume computed on growing-stock trees or live trees at least 5.0 inches in d.b.h. Net change is equal to net growth minus removals.

Net growth—Increase in stand volume computed on growing-stock trees or live trees at least 5.0 inches in d.b.h. Net growth is equal to gross growth minus mortality.

Miscellaneous Definitions

Average annual mortality-Average annual sound-wood volume of growing-stock or live trees that died from natural causes for the intersurvey period.

Average annual removals—Average net annual volume of growing-stock or live trees removed from the inventory by harvesting, cultural operations (such as timber-stand improvement), land clearing, or changes in land use for the intersurvey period.

Average net annual growth-Average net annual volume increase of growing-stock or live trees for the intersurvey period.

Basal area—The area in square feet of the cross section at breast height of a single tree or of all the trees in a stand, usually expressed in square feet per acre.

Cull increment-The change in growing-stock volume due to growing-stock, rough, or rotten trees changing tree class between surveys.

D. b. h. (diameterat breast height)—Tree diameter in inches, outside bark, usually measured at 4.5 feet above ground.

Diameter classes-The 2-inch diameter classes extend from 1.0 inch below to 0.9 inch above the stated midpoint. Thus, the 12-inch class includes trees 11.0 inches through 12.9 inches in d.b.h.

D.o.b. (diameter outside bark)—Stem diameter including bark.

Log grades-A classification of logs based on external characteristics as indicators of quality or value.

Mortality—Number or sound-wood volume of growing-stock trees or live trees that died from natural causes during a specified period.

Natural stands—Stands with no evidence of artificial regeneration including those stands established by seed-tree regeneration methods.

Planrations-Planted or artificially seeded stands.

Removals-The net volume of growing-stock or live trees removed from the inventory by harvesting, cultural operations (such as timber stand improvement), land clearing, or changes in land use.

Sawlog portion-That portion of the bole of a sawtimber tree between a 1-foot stump and the sawlog top.

Sawlog top-The point on the bole of a sawtimber tree above which a sawlog cannot be produced. The minimum sawlog top is 7.0 inches in d.o.b. for softwoods and 9.0 inches in d.o.b. for hardwoods.

Select red oaks-A group of severa1 red oak species composed of cherrybark, Shumard, and northem red oaks. Other red oak species are included in the "other red oaks" group.

Select white oaks-A group of severa1 white oak species composed of white, swamp chestnut, swamp white, chinkapin, Durand, and bur oaks. Other white oak species are included in the "other white oaks" group.

Site class-A classification of forest land in terms of potential capacity to grow crops of industrial wood.

Tree grade-A classification of the sawlog portion of sawtimber trees based on: (1) the grade of the butt log or (2) the ability to produce at least one 12-foot or two 8-foot logs in the upper section of the sawlog portion. Tree grade is an indicator of quality; grade 1 is the best quality.

Upper-stem portion-That part of the main stem of a sawtimber tree above the sawlog top to a d.o.b. of 4.0 inches orto the point where the main stem breaks into limbs.

Ownership Classes

Farmer-owned land-Lands operated as a unit of 10 acres or more and from which the sale of agricultura1 products totals $1,000 or more annually.

Forest industry land-Lands owned by companies or individuals operating wood-using plants (either primary or secondary).

National forest Zand-Federal lands that have been legally designated as national forests or purchase units and other lands under the administration of the Forest Service, including experimental areas.

Nonindustrial private land (corporate)—Lands privately owned by private corporations other than forest industries and incorporated farms.

Nonindustrial private land (individual)-Lands privately owned by individuals other than forest industries or farmers.

Other Federal land-Federal lands other than national forests.

State, county, and municipal land-Lands owned by States, counties, and local public agencies or municipalities, or lands leased to these govemmental units for 50 years or more.

Stand-size Classes

Nonstocked stands—Stands less than 10 percent stocked with live trees.

Poletimber stands—Stands at least 10 percent stocked with live trees, with half or more of this stocking in sawtimber or poletimber trees, and with poletimber stocking exceeding that of sawtimber stocking.

Sapling-seedling stands—Stands at least 10 percent stocked with live trees, with more than half of this stocking in saplings or seedlings.

Sawtimber stands—Stands at least 10 percent stocked with live trees, with half or more of this stocking in sawtimber or poletimber trees, and with sawtimber stocking at least equal to poletimber stocking.

Stocking

Stocking is a measure of the extent to which the growth potential of the site is utilized by trees or preempted by vegetative cover. Stocking is determined by comparing the stand density in terms of number of trees or basal area with a specified standard. Therefore, full stocking is 100 percent of the stocking standard.

The tabulation below shows the density standard in terms of trees per acre by size class required for ful1 stocking.

D.b.h.	Trees per acre	D.b.h.	Trees per acre
Inches		*Inches*	
Seedlings	600	16	72
2	560	18	60
4	460	20	51
6	340	22	42
8	240	24	36
10	155	26	31
12	115	28	27
14	90	30	24

Stocking categories are arbitrarily defined as follows:

Optimally stocked—Stands 61 to 100 percent stocked with growing-stock trees. These stands are growing toward a fully stocked condition (ideal space required for each tree increases with age). Optimum growth and bole form occur in this range.

Overstocked—Stands greater than 100 percent stocked with growing-stock trees. These stands will become stagnant with mortality of individuals increasing as stocking increases over 100 percent.

Understocked—Stands 0 to 60 percent stocked with growing-stock trees. These stands will take a very long time to reach ful1 stocking. Meanwhile, poor bole form will result, and much of the productivity will be placed on heavy limbs instead of on the bole.

Tree Classes

Commercial species—Tree species currently or potentially suitable for industrial wood products.

Cull trees-Rough or rotten trees.

Growing-stock trees-Living trees of commercial species classified as sawtimber, poletimber, saplings, and seedlings. Trees must contain at least one 12-foot or two 8-foot logs in the sawlog portion currently or potentially (if too small to qualify) to be classed as growing stock. The log(s) must meet dimension and merchantability standards to qualify. Trees must also have currently or potentially one-third of the gross board-foot volume in sound wood.

Hurdwoods-Dicotyledonous trees, usually broad leaved and deciduous.

Live trees—All living trees. Included are all size classes, al1 tree classes, and both commercial and noncommercial species.

Noncommercial species—Tree species of typically small size, poor form, or inferior quality that normally do not develop into trees suitable for industrial wood products.

Rotten trees-Live trees of commercial species that are unmerchantable for sawlogs currently or potentially because of rot deduction in the sawlog section. See definition of growing-stock trees.

Rough trees—Live trees of commercial species that are unmerchantable for sawlogs currently or potentially because of roughness or poor form in the sawlog section. Also included are al1 live trees of noncommercial species. See definition of growing-stock trees.

Salvable dead trees—Standing or downed dead trees that were formerly growing stock and are considered merchantable. Trees must be at least 5.0 inches in d.b.h. to qualify.

Softwoods—Coniferous trees, usually evergreen, having leaves that are needles or scalelike.

Volume

Volume of cull—The cubic-foot volume of sound wood in rough and rotten trees at least 5.0 inches in d.b.h. from a 1-foot stump to a minimum 4.0-inch top d.o.b. of the central stem or to the point where the central stem breaks into limbs.

Volume of growing stock-The cubic-foot volume of sound wood in growing-stock trees at least 5.0 inches in d.b.h. from a 1-foot stump to a minimum 4.0-inch top d.o.b. of the central stem or to the point where the central stem breaks into limbs.

Volume of live trees—The cubic-foot volume of sound wood in growing-stock, rough, and rotten trees at least 5.0 inches in d.b.h. from a 1-foot stump to a minimum 4.0-inch top d.o.b. of the central stem or to the point where the central stem breaks into limbs.

Volume of sawlog portion of sawtimber trees-The cubic-foot volume of sound wood in the sawlog portion of sawtimber trees. Volume is the net result after deductions for rot, sweep, and other defects that affect use for lumber.

Volume of sawtimber-The board-foot volume (International 1/4-inch Rule) of sound wood in the sawlog portion of sawtimber trees. Volume is the net result after deductions for rot, sweep, and other defects that affect use for lumber.

Volume of timber-The cubic-foot volume of sound wood in growing-stock, rough, rotten, and salvable dead trees at least 5.0 inches in d.b.h. from a 1 -foot stump to a minimum 4.0-inch top d.o.b. of the central stem or to the point where the central stem breaks into limbs.

Table 1.—*Area by county and land class, central Mississippi counties, 1994* *

County	All land†	Forest land				Nonforest land
		Total	Timberland	Woodland	Reserved timberland	
		Thousand acres				
Attala	470.5	372.8	372.8	0.0	0.0	97.7
Clarke	442.4	381.4	381.4	0.0	0.0	61.1
Jasper	432.7	346.8	346.8	0.0	0.0	85.9
Kemper	490.3	410.6	410.6	0.0	0.0	79.7
Lauderdale	450.3	334.4	334.4	0.0	0.0	115.8
Leake	373.0	280.3	280.3	0.0	0.0	92.7
Neshoba	364.8	271.8	271.8	0.0	0.0	93.0
Newton	370.0	254.8	254.8	0.0	0.0	115.2
Noxubee	444.7	254.1	254.1	0.0	0.0	190.6
Rankin	495.7	348.6	348.6	0.0	0.0	147.2
Scott	389.8	316.7	316.7	3.0	0.0	73.2
Simpson	376.8	280.7	280.7	0.0	0.0	96.1
Smith	407.0	321.5	321.5	0.0	0.0	85.5
Winston	388.5	310.8	310.8	0.0	0.0	77.7
All counties	5,896.6	4,485.3	4,485.3	0.0	0.0	1.411.3

*Numbers in columns and rows may not add to totals due to rounding.
†From the U.S. Bureau of the Census.

Table 2.—*Area of timberland by county and ownership class, central Mississippi counties, 1994**

County	All ownerships	National forest	Misc. federal	State	County and municipal	Forest industry†	Farmer	Corporate‡	Individual*
					Thousand acres				
Attala	372.8	0.0	5.6	0.0	*0.0*	89.0	72.3	16.7	189.2
Clarke	381.4	0.0	0.0	6.0	*0.0*	95.3	83.4	23.8	172.8
Jasper	346.8	14.8	0.0	0.0	*0.0*	63.0	45.8	0.0	223.2
Kemper	410.6	0.0	5.6	0.0	*0.0*	101.3	73.1	16.9	213.8
Lauderdale	334.4	0.0	5.5	0.0	5.5	27.4	27.4	49.3	219.3
Leake	280.3	0.0	0.0	0.0	0.0	98.9	71.5	22.0	87.9
Neshoba	271.8	0.0	10.5	0.0	0.0	31.4	83.6	0.0	146.3
Newton	254.8	2.9	0.0	0.0	0.0	42.0	52.5	0.0	157.4
Noxubee	254.1	0.0	11.8	0.0	0.0	70.9	23.6	17.7	130.0
Rankin	348.6	0.0	0.0	6.6	6.6	59.2	52.6	26.3	197.3
Scott	316.7	84.4	0.0	5.7	0.0	51.0	28.3	5.7	141.6
Simpson	280.7	0.0	0.0	0.0	0.0	60.2	60.2	6.7	153.7
Smith	321.5	77.0	0.0	0.0	0.0	50.9	10.2	10.2	173.2
Winston	310.8	26.3	19.9	0.0	0.0	86.0	33.1	13.2	132.4
All counties	4.485.3	205.3	58.8	18.2	12.1	926.5	717.7	208.5	2.338.2

*Numbers in columns and rows may not add to totals due to rounding.
†Includes land leased to forest industries.
‡Land owned by Indians will be classed as corporate or individual as detined by the Bureau of Indian Affairs.

Table 3.—*Area of tirnberland by county andforest type group, central Mississippi counties, 1994'*

Countv	Total	Forest type group							
		Longleaf-slash pine		Loblolly-shortleaf pine		Oak–pine	Oak–hickory	Oak–gum–cypress	Elm–ash–cottonwood
		Planted	Natural	Planted	Natural				
					Thousand acres				
Attala	372.8	***0.0***	***0.0***	77.9	61.2	66.8	105.7	55.6	5.6
Clarke	381.4	***0.0***	***0.0***	107.3	77.5	77.5	71.5	47.7	0.0
Jasper	346.8	***0.0***	***0.0***	56.5	51.5	85.9	102.3	50.7	0.0
Kemper	410.6	***0.0***	***0.0***	151.9	73.1	67.5	67.5	50.6	0.0
Lauderdale	334.4	***0.0***	***0.0***	49.3	71.3	54.8	104.2	54.8	0.0
Leake	280.3	***0.0***	***0.0***	49.5	55.0	55.0	82.4	38.5	0.0
Neshoba	271.8	***0.0***	***0.0***	36.6	26.1	67.9	83.6	57.5	0.0
Newton	254.8	5.2	***0.0***	26.2	42.0	47.2	63.0	71.1	0.0
Noxubee	254.1	0.0	***0.0***	23.6	88.6	35.5	35.5	70.9	0.0
Rankin	348.6	0.0	***0.0***	26.3	46.0	52.6	164.4	59.2	0.0
Scott	316.7	0.0	5.7	39.7	97.3	17.8	115.8	40.5	0.0
Simpson	280.7	0.0	0.0	26.7	60.2	53.5	107.0	33.4	0.0
Smith	321.5	0.0	0.0	37.3	95.8	85.6	82.3	20.4	0.0
Winston	310.8	6.6	0.0	42.3	55.6	74.1	96.5	35.7	0.0
Al1 counties	4.485.3	ll.9	5.7	751.1	901.2	841.6	1.281.7	686.6	5.6

*Numbers in columns and rows may not add to totals due to rounding.

Table 4.—*Area of timberland by county and stand-size class, central Mississippi counties, 1994**

County	All classes	Stand-size class			Nonstocked areas
		Sawtimber	Poletimber	Sapling-seedling	
			Thousand acres		
Attala	372.8	116.8	100.1	155.8	***0.0***
Clarke	381.4	143.0	101.3	137.1	***0.0***
Jasper	346.8	90.8	80.1	175.9	***0.0***
Kemper	410.6	151.9	112.5	146.3	***0.0***
Lauderdale	334.4	142.5	65.8	126.1	***0.0***
Leake	280.3	115.4	60.5	104.4	***0.0***
Neshoba	271.8	104.5	47.0	120.2	***0.0***
Newton	254.8	102.6	26.2	125.9	***0.0***
Noxubee	254.1	130.0	29.5	94.5	***0.0***
Rankin	348.6	144.7	65.8	138.1	***0.0***
Scott	316.7	144.3	51.0	121.5	***0.0***
Simpson	280.7	86.9	60.2	133.7	***0.0***
Smith	321.5	126.2	35.7	159.6	***0.0***
Winston	310.8	164.0	49.0	97.9	***0.0***
All counties	4.485.3	1.763.7	884.7	1.836.9	0.0

*Numbers in columns and rows may not add to totals due to rounding.

Table 5.—*Area of timberland by county and site class, central Mississippi counties, 1994**

County	All classes	Site class (*Cubic feet/acre/year*) >165	120-165	85-120	50-85	<50
	Thousand acres					
Attala	372.8	38.9	122.4	189.2	22.3	0.0
Clarke	381.4	47.1	119.2	143.0	65.5	6.0
Jasper	346.8	73.6	141.5	97.3	34.3	0.0
Kemper	410.6	112.5	185.6	101.3	11.3	0.0
Lauderdale	334.4	98.7	131.6	76.8	27.4	0.0
Leake	280.3	60.5	104.4	109.9	5.5	0.0
Neshoba	271.8	47.0	99.3	109.8	15.7	0.0
Newton	254.8	29.1	115.4	99.7	10.5	0.0
Noxubee	254.1	65.0	53.2	112.3	23.6	0.0
Rankin	348.6	59.2	138.1	131.5	19.7	0.0
Scott	316.7	64.8	171.7	68.8	11.3	0.0
Simpson	280.7	33.4	100.3	127.0	20.1	0.0
Smith	321.5	45.7	126.4	139.2	10.2	0.0
Winston	310.8	58.2	161.3	78.0	13.2	0.0
All counties	4,485.3	834.4	1,770.6	1,583.8	290.7	6.0

'Numbers in columns and rows may not add to totals due to rounding.

Table 6.—*Area of timberland by county and stocking class of growing-stock trees, central Mississippi counties, 1994**

County	All classes	Stocking class (*Percent*) >130	100-130	60-100	16.7-60	<16.7
	Thousand acres					
Attala	372.8	22.3	178.0	139.1	33.4	0.0
Clarke	381.4	29.8	101.3	184.7	65.5	0.0
Jasper	346.8	11.4	78.6	188.9	62.2	5.7
Kemper	410.6	5.6	95.6	230.6	73.1	5.6
Lauderdale	334.4	16.4	120.6	159.0	38.4	0.0
Leake	280.3	16.5	71.5	164.9	22.0	5.5
Neshoba	271.8	10.5	78.4	146.3	36.6	0.0
Newton	254.8	5.2	55.3	157.4	31.5	5.2
Noxubee	254.1	5.9	47.3	124.1	76.8	0.0
Rankin	348.6	0.0	92.1	184.1	72.3	0.0
Scott	316.7	22.7	59.1	166.9	68.0	0.0
Simpson	280.7	0.0	46.8	160.4	73.5	0.0
Smith	321.5	5.9	16.3	198.5	30.6	10.2
Winston	310.8	13.2	58.2	186.4	52.9	0.0
All counties	4,485.3	165.5	1,159.1	2.391.6	736.9	32.3

'Numbers in columns and rows may not add to totals due to rounding.

Table 7.—*Area of timberland by forest type and ownership class, central Mississippi counties, 1994**

Forest type	All ownerships	National forest	Other public	Forest industry	Forest industry-leased	Other private
	Thousand acres					
Longleaf-slash pine	17.5	0.0	0.0	12.3	0.0	5.2
Loblolly-shortleaf pine	1,652.3	103.6	35.9	463.8	5.6	1,043.5
Softwood total	1.669.8	103.6	35.9	476.0	5.6	1.048.7
Oak-pine	841.6	44.0	35.7	140.2	0.0	621.7
Oak-hickory	1,281.7	40.8	5.2	131.7	5.6	1,098.3
Oak-gum-cypress	686.6	16.9	12.2	167.4	0.0	490.1
Elm-ash-cottonwood	5.6	0.0	0.0	0.0	0.0	5.6
Hardwood total	2.815.5	101.7	53.1	439.3	5.6	2,215.7
All tvues	4.485.3	205.3	89.1	915.4	11.1	3,264.4

*Numbers in columns and rows may not add to totals due to rounding.

Table 8.—*Area of timberland by ownership and stocking class of growing-stock trees, central Mississippi counties, 1994**

Ownership class	All classes	Stocking class (*Percent*)				
		>130	100–130	60-100	16.760	<16.7
	Thousand acres					
National forest	205.3	5.9	73.0	121.5	4.9	0.0
Other public	89.1	17.8	39.9	31.3	0.0	0.0
Forest industry	915.4	34.0	229.6	488.0	152.6	11.2
Forest industry–leased	11.1	0.0	11.1	0.0	0.0	0.0
Other private	3,264.4	107.8	805.4	1,750.8	579.3	21.1
All ownerships	4,485.3	165.5	1,159.1	2,391.6	736.9	32.3

*Numbers in columns and rows may not add to totals due to rounding.

Table 9.—*Area of timberland by forest type and stand-size class, central Mississippi counties, 1994* *

Forest type	All classes	Stand-size class			Nonstocked areas
		Sawtimber	Poletimber	Sapling-seedling	
	Thousand acres				
Longleaf-slash pine	17.5	17.5	0.0	0.0	0.0
Loblolly-shortleaf pine	1.652.3	716.3	385.5	550.4	0.0
Softwood total	1.669.8	733.8	385.5	550.4	0.0
Oak-pine	841.6	343.2	122.5	375.9	0.0
Oak-hickory	1,281.7	315.8	265.5	700.4	0.0
Oak-gum-cypress	686.6	370.8	111.2	204.7	0.0
Elm-ash-cottonwood	5.6	0.0	0.0	5.6	0.0
Hardwood total	2,815.5	1,029.8	499.2	1,286.5	0.0
All types	4,485.3	1,763.7	884.7	1,836.9	0.0

*Numbers in columns and rows may not add to totals due to rounding.

Table *IO.-Number of live trees on timberland by species and diameter class, central Mississippi counties, 1994**

Species	All classes	Diameter class (*Inches at breast height*) 1.0–2.9	3.0-4.9	5.0-6.9	7.0–8.9	9.0-10.9	11.0-12.9	13.0–14.9	15.0–16.9	17.0–18.9	19.0-20.9	21.0-28.9	≥29.0
	Thousand trees												
Longleaf–slash pines	4,195	1,039	0	243	678	650	710	455	227	136	32	25	0
Shortleaf-loblolly pines	750,282	307,546	204,475	101,045	59,123	29,352	19,332	12,924	8,586	4,122	1,972	1,736	70
Other yellow pines	5,931	1,013	1,605	697	922	501	294	176	237	221	67	183	15
Cypress	327	0	0	0	122	0	62	38	16	38	31	20	0
Other softwoods	22,015	13,491	5,315	1,906	573	274	257	89	82	15	12	0	0
Total softwoods	782,751	323,089	211,394	103,890	61,418	30,778	20,656	13,682	9,148	4,532	2,114	1,964	85
Select white oaks	94,524	58,406	16,087	7,001	4,528	2,865	1,867	1,171	953	729	324	552	41
Select red oaks	27,648	14,810	3,350	3,221	1,600	1,515	972	741	658	300	172	274	36
Other white oaks	51,749	25,220	9,363	6,035	4,423	2,433	1,744	1,031	767	309	201	212	12
Other red oaks	365,570	263,730	47,631	18,921	11,220	7,431	5,299	4,285	2,622	1,686	982	1,501	262
Hickories	129,987	98,897	14,864	6,594	3,511	1,991	1,575	976	810	424	189	153	4
Hard maples	12	0	0	0	0	0	0	0	0	12	0	0	0
Soft maples	235,378	185,236	30,799	12,491	4,085	1,601	699	306	120	24	8	8	0
Beech	5,902	3,709	970	139	200	92	85	170	108	159	79	160	32
Sweetgum	584,812	389,128	118,568	41,565	18,570	9,621	3,624	2,000	991	330	257	145	14
Tupelos-blackgums	161,538	124,261	21,505	6,901	3,807	2,470	1,261	545	402	202	93	88	4
Ashes	50,166	35,387	10,694	1,898	902	488	419	184	106	48	29	13	0
Cottonwoods–aspens	104	0	0	0	0	0	29	66	0	0	0	8	0
Basswoods	516	516	0	0	0	0	0	0	0	0	0	0	0
Yellow–poplar	63,874	45,482	8,896	3,722	1,751	1,299	1,026	637	340	207	227	259	28
Black walnut	59	0	0	0	0	0	49	0	0	11	0	0	0
Other hardwoods	432,566	343,400	56,537	18,682	7,077	3,269	1,757	909	415	231	127	139	22
Total hardwoods	2,204,405	1,588,181	339,264	127,170	61,673	35,073	20,405	13,021	8,293	4,672	2,687	3,511	455
Noncommercial	227,469	191,744	19,499	10,224	4,301	1,108	359	154	29	52	0	0	0
All species	3,214,625	2,103,014	570,157	241,284	127,392	66,959	41,420	26,856	17,470	9,256	4,801	5,475	540

*Numbers in columns and rows may not add to totals due to rounding.

Table 11.—*Number of growing-stock trees on timberland by species and diameter class, central Mississippi counties, 1994**

Species	All classes	Diameter class (*Inches at breast height*) 1.0–2.9	3.0-4.9	5.0-6.9	7.0–8.9	9.0-10.9	11.0-12.9	13.0–14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	≥29.0
	Thousand trees												
Longleaf-slash pines	4,188	1,039	0	243	678	650	710	455	227	136	32	18	0
Shortleaf-loblolly pines	656,201	249,858	179,616	93,194	57,175	28,371	19,034	12,663	8,467	4,100	1,954	1,708	62
Other yellow pines	5,629	1,013	1,605	597	809	412	294	176	237	221	67	183	15
Cypress	276	0	0	0	70	0	62	38	16	38	31	20	0
Other softwoods	13,538	7,646	3,306	1,458	525	192	234	67	82	15	12	0	0
Total softwoods	679,832	259,556	184,527	95,491	59,257	29,626	20,335	13,398	9,029	4,510	2,096	1,930	77
Select white oaks	56,831	26,324	12,638	6,228	4,186	2,502	1,601	1,039	902	645	293	438	36
Select red oaks	17,895	7,729	1,707	2,849	1,286	1,435	782	721	643	275	172	260	36
Other white oaks	30,534	12,047	5,006	4,517	3,596	1,843	1,449	885	621	247	155	164	5
Other red oaks	197,098	116,615	34,032	15,655	9,951	6,538	4,649	3,646	2,353	1,404	882	1,206	168
Hickories	58,108	35,275	9,134	5,109	3,165	1,692	1,412	908	760	354	168	127	4
Hard maples	12	0	0	0	0	0	0	0	0	12	0	0	0
Soft maples	62,853	39,130	11,061	8,095	2,663	1,173	441	233	49	0	0	8	0
Beech	3,497	2,687	0	139	200	92	26	111	78	50	29	72	15
Sweetgum	330,477	191,470	72,590	35,103	16,427	8,835	2,822	1,688	889	318	216	105	13
Tupelos–blackgums	49,750	26,429	10,582	5,291	3,398	1,998	909	528	337	142	63	67	4
Ashes	13,419	6,765	3,631	1,147	720	488	356	141	106	36	29	0	0
Cottonwoods–aspens	104	0	0	0	0	0	29	66	0	0	0	8	0
Basswoods	516	516	0	0	0	0	0	0	0	0	0	0	0
Yellow–poplar	45,176	29,575	7,118	3,071	1,685	1,169	938	618	326	178	216	259	20
Black walnut	11	0	0	0	0	0	0	0	0	11	0	0	0
Other hardwoods	118,607	78,566	20,567	10,095	4,823	2,255	1,062	579	298	163	106	88	6
Total hardwoods	984,887	573,129	188,066	97,301	52,098	30,018	16,476	11,163	7,363	3,834	2,330	2,802	307
All species	1,664,719	832,685	372,593	192,792	111,355	59,644	36,811	24,561	16,391	8,344	4,426	4,732	384

*Numbers in columns and rows may not add to totals due to rounding.

Table 12.—*Volume of growing stock on timberland by species and diameter class, central Mississippi counties, 1994**

Species	All classes	Diameter class (*Inches at breast height*) 5.0–6.9	7.0–8.9	9.0–10.9	11.0–12.9	13.0–14.9	15.0–16.9	17.0–18.9	19.0–20.9	21.0–28.9	229.0
	Million cubic feet										
Longleaf-slash pines	64.4	0.6	4.1	9.1	14.9	14.7	9.8	7.6	2.2	1.4	0.0
Shortleaf-loblolly pines	2,672.2	214.9	325.5	354.5	403.0	413.2	384.1	236.3	147.7	181.3	11.5
Other yellow pines	78.7	1.4	5.4	5.6	5.7	5.7	9.9	13.4	5.8	22.8	3.2
Cypress	10.1	0.0	0.4	0.0	1.4	1.8	0.5	2.1	1.8	2.1	0.0
Other softwoods	15.7	3.7	2.2	2.2	3.3	1.3	2.2	0.4	0.4	0.0	0.0
Total softwoods	2,841.1	220.6	337.6	371.3	428.2	436.8	406.5	259.9	157.9	207.6	14.6
Select white oaks	237.8	15.7	25.5	28.8	29.4	26.5	30.2	28.5	16.2	32.1	5.0
Select red oaks	141.4	7.6	9.2	17.2	14.8	19.5	22.8	13.1	9.9	23.0	4.3
Other white oaks	131.3	10.2	18.8	17.9	21.3	18.3	17.4	9.2	7.7	9.8	0.7
Other red oaks	662.1	40.2	61.1	74.8	84.7	90.7	81.5	64.8	49.9	93.1	21.4
Hickories	160.1	11.9	16.3	17.9	25.7	22.0	27.9	16.5	10.8	10.7	0.4
Hard maples	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Soft maples	60.7	21.0	14.6	11.1	7.5	4.4	1.4	0.0	0.0	0.7	0.0
Beech	19.1	0.2	1.3	0.8	0.5	2.5	2.2	2.2	1.8	5.9	1.7
Sweetgum	454.6	81.3	95.9	99.0	56.2	47.8	35.6	15.4	13.6	8.3	1.5
Tupelos-blackgums	104.3	11.9	19.3	21.2	15.5	13.9	10.9	5.5	3.1	2.8	0.3
Ashes	29.1	3.0	4.0	4.6	6.6	3.9	3.7	1.7	1.6	0.0	0.0
Cottonwoods–aspens	2.7	0.0	0.0	0.0	0.5	1.8	0.0	0.0	0.0	0.4	0.0
Yellow–poplar	126.6	7.6	10.3	13.7	17.6	18.0	12.6	8.7	13.8	21.7	2.6
Black walnut	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Other hardwoods	135.2	25.5	26.2	21.9	19.0	13.7	9.0	7.7	5.3	6.2	0.8
Total hardwoods	2,266.0	236.0	302.6	328.9	299.3	283.0	255.1	173.9	133.5	214.9	38.7
All species	5,107.1	456.7	640.2	700.2	727.6	719.9	661.6	433.8	291.4	422.5	53.3

*Numbers in columns and rows may not add to totals due to rounding.

Table 13.—*Volume of growing stock in the sawlog portion of sawtimber trees on timberland by species and diameter class, central Mississippi counties, 1994**

Species	All classes	Diameter class (*Inches at breast height*) 9.0–10.9	11.0–12.9	13.0–14.9	15.0–16.9	17.0–18.9	19.0-20.9	21.0-28.9	≥29.0
	Million cubic feet								
Longleaf–slash pines	52.2	7.6	13.0	13.1	8.6	6.5	1.9	1.4	0.0
Shortleaf-loblolly pines	1,832.9	284.3	350.7	364.4	335.0	204.7	127.1	156.8	10.0
Other yellow pines	62.8	4.1	4.5	5.0	8.6	12.2	4.9	20.2	2.8
Cypress	8.2	0.0	1.2	1.6	0.5	1.9	1.7	1.5	0.0
Other softwoods	8.4	1.8	2.1	1.2	2.1	0.4	0.3	0.0	0.0
Total softwoods	1.964.6	298.4	372.2	385.3	354.7	225.6	135.9	179.8	12.8
Select white oaks	133.0	0.0	21.3	21.7	23.9	23.1	13.2	26.2	3.6
Select red oaks	87.2	0.0	9.9	15.7	18.7	11.0	8.4	19.6	3.9
Other white oaks	61.5	0.0	15.4	14.9	14.7	7.7	6.2	8.0	0.6
Other red oaks	386.6	0.0	60.5	71.8	65.6	52.5	40.8	11.0	18.4
Hickories	88.8	0.0	18.7	17.5	23.0	12.9	8.5	8.0	0.2
Hard maples	0.4	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Soft maples	10.4	0.0	5.4	3.4	0.9	0.0	0.0	0.7	0.0
Beech	12.5	0.0	0.3	2.0	1.7	1.7	1.2	4.2	1.4
Sweetgum	141.8	0.0	38.3	39.1	30.9	13.4	11.3	7.3	1.4
Tupelos-blackgums	41.1	0.0	10.7	11.3	9.2	4.6	2.6	2.5	0.2
Ashes	13.1	0.0	4.3	3.1	2.8	1.5	1.4	0.0	0.0
Cottonwoods–aspens	2.0	0.0	0.3	1.4	0.0	0.0	0.0	0.3	0.0
Yellow–poplar	77.6	0.0	12.1	14.9	10.5	7.6	11.7	18.5	2.3
Black walnut	0.4	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Other hardwoods	49.0	0.0	13.4	11.1	7.0	6.7	4.6	5.3	0.8
Total hardwoods	1,111.4	0.0	210.5	221.9	208.9	143.6	109.9	177.6	32.9
All species	3,076.0	298.4	582.7	613.3	563.6	369.1	245.8	357.4	45.7

*Numbers in columns and rows may not add to totals due to rounding.

Table 14.—*Volume of sawtimber on timberland by species and diameter class, central Mississippi counties, 1994**

Species	All classes	Diameter class (*Inches at breast height*) 9.0–10.9	11.0–12.9	13.0–14.9	15.0–16.9	17.0–18.9	19.0–20.9	21.0–28.9	≥29.0
	Million board feet								
Longleaf-slash pines	332.2	43.0	79.4	85.0	57.2	44.6	13.1	9.9	0.0
Shortleaf-loblolly pines	11,879.6	1,568.3	2,161.3	2,384.6	2,268.2	1,407.6	898.5	1,119.7	71.6
Other yellow pines	421.7	25.2	26.2	31.7	54.5	81.9	34.9	146.1	21.1
Cypress	49.6	0.0	7.2	10.4	2.2	11.2	8.9	9.7	0.0
Other softwoods	43.7	8.9	13.9	6.0	11.5	1.8	1.6	0.0	0.0
Total softwoods	12.726.7	1645.4	2.288.0	2.517.6	2.393.6	1.547.1	957.0	1.285.3	92.6
Select white oaks	821.5	0.0	114.9	127.5	147.8	146.2	86.5	173.5	25.1
Select red oaks	523.1	0.0	54.5	91.3	111.4	69.5	51.8	126.8	17.9
Other white oaks	398.3	0.0	81.3	85.1	87.6	47.3	40.0	53.4	3.7
Other red oaks	2,327.5	0.0	334.2	415.4	398.3	328.3	257.5	487.7	106.0
Hickories	547.3	0.0	106.4	101.8	144.8	82.5	55.8	54.4	1.7
Hard maples	2.4	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0
Soft maples	58.1	0.0	30.6	18.7	5.2	0.0	0.0	3.6	0.0
Beech	82.8	0.0	1.6	11.5	11.2	11.3	8.6	28.7	9.9
Sweetgum	841.4	0.0	215.6	229.5	188.9	81.6	72.4	46.1	7.3
Tupelos-blackgums	226.9	0.0	58.1	63.0	51.9	26.1	13.5	13.1	1.1
Ashes	77.4	0.0	24.6	18.8	16.8	9.1	8.1	0.0	0.0
Cottonwoods–aspens	11.6	0.0	1.6	8.6	0.0	0.0	0.0	1.4	0.0
Yellow–poplar	473.7	0.0	67.5	88.7	64.4	46.4	74.1	118.6	14.1
Black walnut	2.2	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0
Other hardwoods	280.8	0.0	73.7	64.3	40.9	40.6	27.1	31.3	2.9
Total hardwoods	6.675.1	0.0	1.164.6	1.324.2	1,269.0	893.6	695.3	1,138.7	189.8
All species	19,401.9	1,645.4	3,452.6	3,841.9	3,662.7	2,440.7	1,652.3	2,424.0	282.4

*Numbers in columns and rows may not add to totals due to rounding.

Table 15.—*Volume of growing stock and sawtimber on timberland by county and species group, central Mississippi counties. 1994**

County	Growing stock						Sawtimber					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft†	Hard‡	All species	Planted	Natural	Other	Soft†	Hard‡
	Million cubic feet						*Million board feet*					
Attala	416.7	42.2	142.5	0.8	110.2	121.0	1,359.6	96.7	656.9	0.0	223.2	382.8
Clarke	392.0	75.7	173.7	0.6	58.3	83.6	1,435.7	98.9	846.5	0.0	171.7	318.5
Jasper	275.3	45.1	94.9	0.8	46.2	88.3	813.4	93.3	344.8	3.3	88.0	284.0
Kemper	432.0	162.6	115.8	1.3	79.7	72.6	1,447.7	481.4	563.1	3.7	164.0	235.5
Lauderdale	491.3	29.6	260.3	0.0	89.1	112.3	1,903.8	9.5	1,258.0	0.0	230.1	406.2
Leake	373.3	37.3	167.6	3.7	50.5	114.1	1,451.5	86.2	862.5	19.3	84.5	399.0
Neshoba	294.5	8.9	96.2	1.1	65.0	123.2	1,062.9	6.9	465.2	1.8	152.4	436.5
Newton	276.9	26.8	101.5	0.0	51.8	96.7	1,061.4	74.7	482.2	0.0	115.5	389.0
Noxubee	301.5	24.4	142.0	12.8	21.5	100.8	1,274.7	104.7	718.7	44.8	46.4	360.2
Rankin	403.0	13.5	163.0	1.6	85.3	139.6	1,576.7	42.2	876.2	8.1	171.1	479.1
Scott	426.5	10.4	256.8	1.0	44.7	113.7	1,943.1	32.5	1,448.5	5.0	66.2	390.8
Simpson	256.4	8.5	142.6	0.0	59.7	45.6	897.1	18.8	609.3	0.0	109.1	159.8
Smith	399.2	28.6	228.9	0.5	69.3	71.9	1,715.0	110.5	1,210.4	2.5	171.9	219.7
Winston	368.5	41.9	173.8	1.6	38.7	112.4	1,459.3	138.2	896.4	4.8	82.2	337.7
All counties	5,107.1	555.6	2,259.7	25.8	870.0	1,396.0	19,401.9	1,394.6	11,238.9	93.3	1,876.3	4,798.8

*Numbers in columns and rows may not add to totals due to rounding.
†Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.
‡Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 16.—*Volume of timber on timberland by class of timber and species group, central Mississippi counties, 1994**

Class of timber	All species	Softwood			Hardwood	
		Pine				
		Planted	Natural	Other	Soft†	Hard‡
	Million cubic feet					
Sawtimber trees						
Sawlog portion	3,076.0	238.3	1,709.7	16.7	319.0	729.3
Upper stem portion	605.3	52.0	263.4	2.9	80.8	206.3
Total	3,681.3	290.3	1.973.1	19.5	399.9	998.6
Poletimber trees	1,425.7	265.3	286.6	6.3	470.1	397.4
All growing-stock trees	5,107.1	555.6	2,259.7	25.8	870.0	1,396.0
Rough trees						
Sawtimber size	138.1	9.8	9.0	1.3	37.6	80.3
Poletimber size	176.2	8.5	18.1	1.0	58.3	90.4
Total	314.3	18.3	27.1	2.3	95.9	170.7
Rotten trees						
Sawtimber size	49.9	0.0	0.0	0.0	13.3	36.6
Poletimber size	12.0	0.0	0.1	0.0	7.6	4.2
Total	61.9	0.0	0.1	0.0	21.0	40.8
Salvable dead trees						
Sawtimber size	18.2	1.6	11.5	0.2	1.2	3.7
Poletimber size	5.2	0.9	1.4	0.0	1.8	1.2
Total	23.4	2.5	12.9	0.2	2.9	4.9
All classes	5.506.6	576.3	2.299.8	28.3	989.8	1.612.4

*Numbers in columns and rows may not add to totals due to rounding.
†Hardwood species with an average specitic gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.
‡Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 17.—*Volume of live trees and growing stock on timberland by ownership class and species group, central Mississippi counties, 1994**

Ownership class	Live trees						Growing stock					
	All species	Softwood			Hardwood		All species	Softwood			Hardwood	
		Pine						Pine				
		Planted	Natural	Other	Soft†	Hard‡		Planted	Natural	Other	Soft†	Hard‡
	Million cubic feet											
National forest	488.0	23.0	293.9	1.2	58.8	111.1	470.2	22.9	291.5	1.2	53.4	101.1
Other public	300.1	0.0	178.0	0.4	42.4	79.3	290.4	0.0	175.2	0.4	40.8	74.1
Forest industry	1,072.6	274.0	372.6	9.1	140.5	276.5	1,009.2	271.5	370.1	8.9	119.6	239.1
Forest industry–leased	17.3	1.9	2.7	0.0	3.3	9.5	16.7	1.9	2.7	0.0	2.6	9.5
Other private	3,605.2	274.9	1,439.7	17.4	742.0	1,131.1	3,320.6	259.2	1,420.2	15.3	653.6	972.2
All ownershios	5.483.2	573.8	2.286.9	28.1	986.9	1.607.5	5.107.1	555.6	2.259.7	25.8	870.0	1.396.0

*Numbers in columns and rows may not add to totals due to rounding.
†Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.
‡Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 18.—*Average net annual growth of growing stock and sawtimber on timberland by county and species group, central Mississippi counties, 1987-1994'*

County	Growing stock						Sawtimber					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft†	Hard‡	All species	Planted	Natural	Other	Soft†	Hard‡
	Million cubic feet						*Million board feet*					
Attala	31.8	5.4	11.8	0.2	6.9	7.4	121.1	13.0	63.0	0.3	15.9	28.8
Clarke	26.7	10.1	10.6	0.1	2.4	3.5	110.6	15.0	66.5	0.0	8.2	21.0
Jasper	19.9	3.6	10.5	0.0	2.3	3.4	72.2	7.9	44.4	0.2	4.4	15.4
Kemper	38.4	15.5	14.1	0.0	4.8	4.0	131.9	34.3	74.3	0.1	11.0	12.2
Lauderdale	26.9	5.7	13.3	0.0	3.7	4.2	116.9	6.9	77.7	0.1	12.7	19.6
Leake	20.1	4.4	9.9	0.0	1.8	4.1	82.8	9.0	63.2	–0.1	2.9	7.7
Neshoba	19.4	0.9	7.7	0.1	4.1	6.6	80.6	0.2	39.2	0.0	11.4	29.8
Newton	21.8	4.2	8.3	0.0	4.2	5.2	91.6	11.3	45.7	0.0	10.5	24.1
Noxubee	15.0	3.1	6.5	0.2	1.5	3.6	70.4	9.2	36.0	1.3	3.1	20.8
Rankin	21.7	0.1	9.8	0.1	3.8	7.8	96.3	0.3	59.4	0.5	5.9	30.2
Scott	27.2	0.0	17.3	0.1	3.2	6.6	136.5	0.0	105.7	0.5	6.1	24.2
Simpson	17.7	2.5	9.6	0.0	3.2	2.4	68.6	7.4	45.9	0.0	8.5	6.7
Smith	19.1	1.0	10.8	0.0	3.1	4.1	80.5	2.6	57.0	0.1	7.6	13.0
Winston	13.6	2.2	8.2	0.1	1.7	1.4	66.3	11.1	46.2	0.4	3.3	5.3
All counties	319.2	58.9	148.4	1.0	46.6	64.3	1.326.2	128.3	824.3	3.5	111.5	258.7

*Numbers in columns and rows may not add to totals due to rounding.
†Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.
‡Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 19.—*Average annual removals of growing stock and sawtimber on timberland by county and species group, central Mississippi counties, 1987–1994**

County	Growing stock						Sawtimber					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft†	Hard‡	All species	Planted	Natural	Other	Soft†	Hard‡
	Million cubic feet						*Million board feet*					
Attala	25.6	3.2	11.4	0.4	4.1	6.5	103.8	8.2	51.1	0.7	11.5	25.7
Clarke	18.7	2.9	7.4	0.0	2.3	6.1	59.4	1.3	33.1	0.0	4.4	20.1
Jasper	24.5	1.0	17.7	0.0	2.2	3.1	112.1	1.0	96.0	0.0	3.4	11.7
Kemper	36.0	5.8	22.0	0.0	5.1	3.1	159.8	19.1	116.9	0.0	12.0	11.9
Lauderdale	40.4	0.0	22.3	0.1	6.0	12.0	183.7	0.0	120.6	0.3	19.9	42.8
Leake	11.2	0.4	5.5	0.0	1.3	4.0	49.3	0.9	28.9	0.0	3.9	15.5
Neshoba	22.5	0.0	13.9	0.0	3.5	5.1	106.5	0.0	73.9	0.0	8.6	23.9
Newton	22.6	2.7	12.3	0.0	3.1	4.5	88.7	12.3	54.2	0.0	5.5	16.8
Noxubee	19.1	1.6	10.6	0.1	1.6	5.2	90.2	7.6	61.2	0.0	5.6	15.8
Rankin	39.3	0.2	22.2	0.0	4.9	12.1	178.0	0.6	108.7	0.0	11.6	57.1
Scott	33.5	0.0	22.1	0.0	3.7	7.7	137.6	0.0	95.6	0.0	11.2	30.8
Simpson	14.5	1.3	8.5	0.0	0.6	4.1	55.4	1.5	35.0	0.0	2.0	16.8
Smith	23.9	0.0	17.1	0.0	0.8	6.0	119.2	0.0	91.5	0.0	2.7	25.0
Winston	20.3	0.9	13.9	0.0	0.9	4.6	93.3	4.2	68.4	0.0	2.2	18.5
All counties	352.2	20.0	206.8	0.6	40.0	84.8	1,537.0	56.7	1,042.3	1.1	104.5	332.5

*Numbers in columns and rows may not add to totals due to rounding.
†Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.
‡Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 20.—*Average net annual growth and average annual removals of growing stock on timberland by species, central Mississippi counties, 1987-1994**

Species	Growth	Removals
	Million cubic feet	
Yellow pines	207.3	226.8
Other softwoods	1.0	0.6
Total softwoods	208.3	227.4
Select white-red oaks	20.6	22.5
Other white-red oaks	35.8	51.8
Hickories	6.2	8.6
Hard maples	0.0	0.0
Sweetgum	23.5	22.2
Ashes–walnut–black cherry	1.7	2.0
Yellow–poplar	9.2	5.9
Other hardwoods	13.8	12.0
Total hardwoods	110.9	124.8
All species	319.2	352.2

*Numbers in columns may not add to totals due to rounding.

Table 21.—*Average net annual growth and average annual removals of sawtimber on timberland by species, central Mississippi counties, 1987–1994**

Species	Growth	Removals
	Million board feet	
Yellow pines	952.6	1,099.0
Other softwoods	3.5	1.1
Total softwoods	956.1	1,100.0
Select white-red oaks	76.6	89.6
Other white-red oaks	151.1	205.6
Hickories	25.0	32.9
Sweetgum	49.3	52.4
Ashes–walnut–black cherry	5.2	3.0
Yellow–poplar	36.6	25.1
Other hardwoods	26.3	27.8
Total hardwoods	370.2	437.0
All species	1.326.2	1.537.0

*Numbers in columns may not add to totals due to rounding.

Table 22.—*Average annual mortality of growing stock and sawtimber on timberland by species, central Mississippi counties, 1987-1 994**

Species	Growing stock	Sawtimber
	Million cubic feet	*Million board feet*
Yellow pines	20.0	71.6
Other softwoods	0.3	1.1
Total softwoods	20.4	72.1
Select white-red oaks	1.5	3.9
Other white-red oaks	5.7	15.8
Hickories	1.2	4.4
Sweetgum	2.6	5.5
Ashes–walnut–black cherry	0.6	1.0
Yellow–poplar	0.5	1.9
Other hardwoods	2.3	6.0
Total hardwoods	14.4	38.5
All species	34.8	111.1

*Numbers in columns may not add to totals due to rounding.

Table 23.—*Average net annual growth and average annual removals of growing stock on timberland by ownership class and species group, central Mississippi counties, 1987–1994**

Ownership class	Growth						Removals					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft†	Hard‡	All species	Planted	Natural	Other	Soft†	Hard‡
	Million cubic feet											
National forest	14.8	0.5	9.6	0.1	1.5	3.1	11.2	0.0	8.9	0.0	0.5	1.7
Other public	9.5	1.0	4.5	0.1	1.8	2.1	4.7	0.4	2.4	0.0	0.6	1.4
Forest industry	72.5	30.3	23.8	0.2	6.8	11.5	70.3	11.5	32.1	0.1	7.3	19.4
Forest industry-leased	0.9	0.1	0.3	0.0	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Other private	221.4	27.1	110.3	0.6	36.4	47.1	265.9	8.2	163.4	0.5	31.5	62.4
All ownerships	319.2	58.9	148.4	1.0	46.6	64.3	352.2	20.0	206.8	0.6	40.0	84.8

*Numbers in columns and rows may not add to totals due to rounding.
†Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.
‡Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 24.—*Average net annual growth and average annual removals of sawtimber on timberland by ownership class and species group, central Mississippi counties, 1987–1994**

Ownership class	Growth						Removals					
		Softwood			Hardwood			Softwood			Hardwood	
		Pine						Pine				
	All species	Planted	Natural	Other	Soft†	Hard‡	All species	Planted	Natural	Other	Soft†	Hard‡
	Million board feet											
National forest	78.6	2.4	59.3	0.5	4.4	12.0	59.2	0.0	54.3	0.0	0.9	4.0
Other public	55.8	5.8	31.8	0.0	6.2	12.0	21.4	2.3	12.7	0.0	1.0	5.3
Forest industry	261.4	75.3	127.7	0.9	15.4	42.2	275.6	30.8	145.2	0.3	22.6	76.7
Forest industry-leased	3.0	0.2	1.5	0.0	0.1	1.2	0.0	0.0	0.0	0.0	0.0	0.0
Other private	927.3	44.6	603.9	2.1	85.4	191.3	1,180.9	23.6	830.1	0.7	79.9	246.5
All ownershios	1.326.2	128.3	824.4	3.5	111.5	258.7	1.537.0	56.7	1.042.3	1.1	104.5	332.5

*Numbers in columns and rows may not add to totals due to rounding.
†Hardwood species with an average specific gravity of 0.50 or less such as gums, yellow-poplar, cottonwoods, red maple, basswoods, aspens, and willows.
‡Hardwood species with an average specific gravity greater than 0.50 such as oaks, hard maples, hickories, and green and white ash.

Table 25.—*Volume of sawtimber on timberland by species and tree grade, central Mississippi counties, 1994**

Species	All grades	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5
			Million board feet			
Yellow pines	12,633.5	3,447.1	2,801.7	6,153.7	0.0	231.0
Cypress	49.6	15.0	12.4	4.5	0.0	17.7
Redcedars	43.7	41.5	0.0	0.0	0.0	2.2
Total softwoods	12.726.7	3.503.6	2,814.1	6,158.2	0.0	250.9
Select white-red oaks	1,344.7	303.4	383.2	454.4	121.8	81.8
Other white-red oaks	2,725.8	194.6	511.7	974.9	835.5	209.1
Hickories	547.3	48.5	135.7	262.5	19.9	20.8
Hard maples	2.4	0.0	2.4	0.0	0.0	0.0
Sweetgum	841.4	84.0	257.2	387.9	65.3	46.9
Tupelos and blackgums	226.9	38.8	76.6	91.9	7.2	12.4
Ashes–walnut–black cherry	85.0	13.9	22.4	38.2	4.9	5.6
Yellow–poplar	473.7	97.6	133.6	161.7	56.7	24.1
Other hardwoods	427.8	33.4	50.0	191.1	104.1	49.1
Total hardwoods	6,675.1	814.4	1,573.0	2,562.7	1,275.3	449.7
All species	19,401.9	4,318.0	4,387.0	8,720.9	1,275.3	700.6

*Numbers in columns and rows may not add to totals due to rounding.

Table 26.—*Area of timberland by stand age, forest type group, and stand origin, central Mississippi counties, 1994'*

Stand age class	Pine		Oak-pine		Other hardwood types	
	Planted	Natural	Planted	Natural	Planted	Natural
Years	*Thousand acres*					
1-10	344.9	76.5	50.0	17.2	21.9	83.8
11-20	203.5	21.8	24.9	22.1	0.0	17.2
21-30	82.9	5.5	11.2	5.7	0.0	0.0
31-40	6.6	5.1	0.0	0.0	0.0	0.0
41-50	22.1	11.7	0.0	0.0	0.0	0.0
>50	0.0	11.4	0.0	5.2	0.0	0.0
Mixed	103.0	774.9	73.8	631.5	39.8	1,811.2
Total	763.0	906.8	159.9	681.8	61.7	1,912.2

*Numbers in columns may not add to totals due to rounding.

Table 27.—*Volume of softwood growing stock on timberland by county andforest type group, central Mississippi counties, 1994'*

County	Total	Forest type group						
		Longleaf–slash pine		Loblolly-shortleaf pine		Oak–pine	Oak–hickory	Oak–gum–cypress
		Planted	Natural	Planted	Natural			
	Million cubic feet							
Attala	185.5	0.0	0.0	30.0	108.6	34.9	10.9	1.2
Clarke	250.1	0.0	0.0	70.1	113.3	44.0	14.8	7.9
Jasper	140.8	0.0	0.0	39.8	35.7	44.9	19.5	0.9
Kemper	279.7	0.0	0.0	154.6	70.5	38.5	9.9	6.2
Lauderdale	289.9	0.0	0.0	28.3	203.0	32.3	19.2	7.1
Leake	208.6	0.0	0.0	37.3	107.4	40.6	13.9	9.4
Neshoba	106.3	0.0	0.0	8.3	14.3	60.4	20.4	2.9
Newton	128.3	10.8	0.0	15.6	55.0	31.0	4.6	11.4
Noxubee	179.2	0.0	0.0	19.3	112.9	33.8	2.9	10.4
Rankin	178.1	0.0	0.0	12.8	98.8	38.3	23.2	5.0
Scott	268.1	0.0	14.0	8.4	210.8	9.7	19.9	5.4
Simpson	151.0	0.0	0.0	7.4	106.7	22.2	12.9	1.8
Smith	258.0	0.0	0.0	26.4	149.6	70.4	10.9	0.6
Winston	217.4	5.0	0.0	30.7	100.8	57.4	19.0	4.4
All counties	2,841.1	15.9	14.0	488.8	1,487.5	558.4	201.9	74.6

*Numbers in columns and rows may not add to totals due to rounding.

Table 28.—*Volume of hardwood growing stock on timberland by county and forest type group, central Mississippi counties, 1994*[1]

County	Total	Forest type group							
		Longleaf-slash pine		Loblolly-shortleaf pine		Oak–pine	Oak–hickory	Oak–gum–cypress	Elm–ash–cottonwood
		Planted	Natural	Planted	Natural				
	Million cubic feet								
Attala	231.2	0.0	0.0	3.5	21.1	31.5	70.1	103.4	1.7
Clarke	141.9	0.0	0.0	0.7	16.8	18.2	44.8	61.3	0.0
Jasper	134.5	0.0	0.0	4.0	10.5	23.6	50.6	45.8	0.0
Kemper	152.2	0.0	0.0	16.1	22.3	25.6	42.6	45.6	0.0
Lauderdale	201.4	0.0	0.0	3.6	32.4	26.9	62.4	76.2	0.0
Leake	164.6	0.0	0.0	0.8	13.2	14.2	63.3	73.1	0.0
Neshoba	188.2	0.0	0.0	3.1	1.0	53.7	65.5	64.9	0.0
Newton	148.6	0.0	0.0	0.8	6.0	26.3	29.6	85.9	0.0
Noxubee	122.3	0.0	0.0	3.0	11.2	20.5	20.7	66.8	0.0
Rankin	224.9	0.0	0.0	0.0	15.1	47.9	102.0	60.0	0.0
Scott	158.4	0.0	0.2	0.0	23.0	6.9	71.4	56.9	0.0
Simpson	105.4	0.0	0.0	0.5	10.0	16.7	37.1	41.1	0.0
Smith	141.3	0.0	0.0	2.3	29.2	53.1	32.3	24.3	0.0
Winston	151.1	0.0	0.0	0.3	8.8	46.5	68.8	26.7	0.0
All counties	2.266.0	0.0	0.2	38.6	220.6	411.6	761.3	832.1	1.7

*Numbers in columns and rows may not add to totals due to rounding.

Table 29.—*Volume of softwood growing stock in the sawlog portion of sawtimber trees on timberland by county and forest type group, central Mississippi counties, 1994**

County	Total	Forest type group						
		Longleaf-slash pine		Loblolly-shortleaf pine		Oak–pine	Oak–hickory	Oak–gum–cypress
		Planted	Natural	Planted	Natural			
	Million cubic feet							
Attala	118.7	0.0	0.0	8.3	77.0	24.3	8.0	1.1
Clarke	147.5	0.0	0.0	15.3	84.3	29.6	11.1	7.2
Jasper	74.7	0.0	0.0	15.2	19.8	25.1	13.7	0.8
Kemper	168.1	0.0	0.0	78.2	52.1	24.7	7.5	5.6
Lauderdale	193.9	0.0	0.0	1.4	148.4	25.5	12.7	5.9
Leake	146.8	0.0	0.0	13.9	82.5	31.8	10.7	7.9
Neshoba	73.1	0.0	0.0	0.5	6.9	46.9	16.3	2.6
Newton	87.4	9.6	0.0	2.4	40.3	23.0	2.7	9.3
Noxubee	132.4	0.0	0.0	12.9	79.7	28.3	2.6	8.9
Rankin	138.8	0.0	0.0	7.1	80.3	30.9	16.5	4.0
Scott	219.9	0.0	10.9	4.4	178.6	7.1	14.7	4.2
Simpson	103.1	0.0	0.0	3.7	76.2	13.2	9.2	0.8
Smith	198.3	0.0	0.0	14.7	118.0	56.9	8.8	0.0
Winston	161.8	4.1	0.0	16.2	82.3	44.3	11.4	3.5
All counties	1,964.6	13.7	10.9	194.4	1,126.4	411.6	146.1	61.7

*Numbers in columns and rows may not add to totals due to rounding.

Table 30.—*Volume of hardwood growing stock in the sawlog portion of sawtimber on timberland by county and forest type group, central Mississippi counties, 1994**

County	Total	Forest type group					
		Loblolly-shortleaf pine		Oak–pine	Oak–hickory	Oak–gum–cypress	Elm–ash–cottonwood
		Planted	Natural				
	Million cubic feet						
Attala	100.7	1.8	5.5	9.9	27.3	55.0	1.2
Clarke	80.3	0.0	6.4	7.2	22.2	44.4	0.0
Jasper	63.9	1.6	3.9	13.7	18.5	26.1	0.0
Kemper	66.4	5.7	6.5	8.2	21.9	24.2	0.0
Lauderdale	106.7	0.4	16.5	14.6	24.2	50.9	0.0
Leake	78.0	0.0	3.8	3.9	27.9	42.3	0.0
Neshoba	96.6	0.3	0.0	20.8	36.1	39.4	0.0
Newton	81.8	0.3	0.2	10.3	15.0	56.0	0.0
Noxubee	68.5	1.6	2.7	10.5	10.9	42.8	0.0
Rankin	106.9	0.0	7.3	21.9	45.1	32.5	0.0
Scott	76.8	0.0	6.9	1.7	40.2	28.0	0.0
Simpson	46.1	0.4	1.3	7.8	11.4	25.1	0.0
Smith	66.5	0.0	12.3	27.9	11.8	14.5	0.0
Winston	72.3	0.0	4.0	20.2	32.7	15.4	0.0
All counties	1,111.4	12.1	77.4	178.7	345.3	496.7	1.2

*Numbers in columns and rows may not add to totals due to rounding.

Table 31.—*Volume of timber on timberland by county, class of timber, and species group, central Mississippi counties, 1994**

County	All classes	Growing stock		Rough		Rotten	
		Softwood	Hardwood	Softwood	Hardwood	Softwood	Hardwood
	Million cubic feet						
Attala	441.4	185.5	231.2	2.5	18.6	0.0	3.6
Clarke	431.4	250.1	141.9	6.3	24.2	0.0	9.0
Jasper	302.9	140.8	134.5	2.7	21.6	0.0	3.2
Kemper	467.5	279.7	152.2	13.2	19.9	0.0	2.5
Lauderdale	518.3	289.9	201.4	3.3	20.6	0.0	3.2
Leake	410.7	208.6	164.6	2.1	33.0	0.0	2.4
Neshoba	317.9	106.3	188.2	0.5	15.7	0.0	7.1
Newton	299.1	128.3	148.6	2.2	12.6	0.1	7.3
Noxubee	313.1	179.2	122.3	1.1	6.6	0.0	3.8
Rankin	425.3	178.1	224.9	1.5	17.8	0.0	3.0
Scott	450.4	268.1	158.4	2.6	16.5	0.0	4.7
Simpson	280.1	151.0	105.4	1.7	20.5	0.0	1.5
Smith	425.2	258.0	141.3	3.7	18.4	0.0	3.9
Winston	400.0	217.4	151.1	4.2	20.7	0.0	6.6
All counties	5,483.2	2,841.1	2,266.0	47.6	266.6	0.1	61.7

*Numbers in columns and rows may not add to totals due to rounding.

Table 32.—*Number of live trees on timberland by detailed species and diameter class, central Mississippi counties, 1994**

Species	All classes	Diameter class (*Inches at breast height*) 1.0–2.9	3.0-4.9	5.0-6.9	7.0-8.9	9.0-10.9	11.0–12.9	13.0-14.9	15 & 16.9	17.G 18.9	19.0–20.9	21.0–28.9	229.0
						Thousand trees							
Longleaf pine	1,415	**0**	**0**	135	251	191	316	165	200	111	22	25	0
Slash pine	2,780	1,039	0	108	427	460	394	290	27	25	10	0	0
Shortleaf pine	60,259	11,298	17,953	7,912	8,046	6,552	4,061	2,431	1,380	449	82	94	0
Loblolly pine	690,023	296,248	186,522	93,133	51,077	22,800	15,271	10,493	7,206	3,673	1,890	1,641	70
Spruce pine	5,931	1,013	1,605	697	922	501	294	176	237	221	67	183	15
Redcedars	22,015	13,491	5,315	1,906	573	274	257	89	82	15	12	0	0
Cypress	327	0	0	0	122	**0**	62	38	16	38	31	20	0
Total softwoods	782.751	**323.089**	211.394	103.890	61.418	30.778	20,656	13,682	9,148	4,532	2,114	1,964	85
Select white oaks	**94,524**	58,406	16,087	7,001	4,528	2,865	1,867	1,171	953	729	324	552	41
Select red oaks	27,648	14,810	3,350	3,221	1,600	1,515	972	741	658	300	172	274	36
Other white oaks	51,749	25,220	9,363	6,035	4,423	2,433	1,744	1,031	767	309	201	212	12
Other red oaks	365,570	263,730	47,631	18,921	ll ,220	7,431	5,299	4,285	2,622	1,686	982	1,501	262
Sweet pecan	958	934	0	0	0	0	0	0	0	13	11	0	0
Water hickory	1,182	0	1,083	0	70	0	0	19	0	0	0	9	0
Other hickories	127,847	97,963	13,781	6,594	3,441	1,991	1,575	957	810	411	177	144	4
Persimmon	44,691	37,334	6,099	684	345	172	58	0	0	0	0	0	0
Hard maples	12	0	0	0	0	0	0	0	0	12	0	0	0
Soft maples	232,433	183,618	30,296	12,046	3,908	1,530	623	268	104	24	8	8	0
Boxelder	2,945	1,618	503	445	177	71	77	38	16	0	0	0	0
Beech	5,902	3,709	970	139	200	92	85	170	108	159	79	160	32
Sweetgum	584,812	389,128	118,568	41,565	18,570	9,621	3,624	2,000	991	330	257	145	14
Blackgum	155,078	122,284	20,484	5,383	3,011	2,020	1,023	447	249	111	29	31	4
Other gums/tupelos	6,460	1,976	1,020	1,517	795	449	238	98	153	92	65	56	0
White ash	9,341	7,353	1,669	216	0	0	31	20	43	0	9	0	0
Other ashes	40,826	28,033	9,025	1,682	902	488	388	164	63	48	20	13	0
Sycamore	1,908	977	0	344	188	80	170	62	30	14	10	32	0
Cottonwood	104	0	0	0	0	0	29	66	0	0	0	8	0
Basswoods	516	516	0	0	0	0	0	0	0	0	0	0	0
Yellow-poplar	63,874	45,482	8,896	3,722	1,751	1,299	1,026	637	340	207	227	259	28
Magnolias	880	503	0	144	80	126	0	0	15	0	11	0	0
Sweetbay	12,869	6,926	2,252	1,675	534	520	440	286	157	51	21	8	0
Willow	7,278	5,374	613	329	632	186	28	41	56	0	12	6	0
Black walnut	59	0	0	0	0	0	49	0	0	11	0	0	0
Black cherry	62,521	52,114	5,474	3,670	730	405	87	0	17	22	0	0	0
American elm	15,734	11,125	1,571	1,372	755	449	176	125	64	38	34	12	13
Other elms	85,134	70,719	9,094	2,746	1,509	545	318	136	29	29	0	9	0
River birch	904	0	546	191	66	36	22	0	31	0	9	3	0
Hackberries	6,350	4,279	0	677	478	399	201	175	0	49	29	53	10
Black locust	2,063	1,032	1,032	0	0	0	0	0	0	0	0	0	0
Other locusts	1,379	1,083	0	126	0	104	67	0	0	0	0	0	0
Sassafras	34,048	27,479	4,972	1,311	234	39	0	0	0	13	0	0	0
Dogwood	131,713	105,624	21,234	4,185	671	0	0	0	0	0	0	0	0
Holly	15,957	11,244	3,650	349	596	35	54	21	0	0	0	8	0
Other commercial	9,137	7,588	0	879	259	173	136	63	17	15	0	6	0
Total hardwoods	2.204.405	1.588.181	339.264	127.170	61.673	35.073	20.405	13.021	8.293	4.672	2.687	3.511	455
Noncommercial	227.469	191.744	19.499	10.224	4.301	1.108	359	154	29	52	0	0	0
All species	3,214,625	2,103,014	570,157	241,284	127,392	66,959	41,420	26,856	17,470	9,256	4,801	5,475	540

*Numbers in columns and rows may not add to totals due to rounding.

Table 33.—*Number of growing-stock trees on timberland by detailed species and diameter class, central Mississippi counties, 1994**

Species	All classes	Diameter class (*Inches at breast height*) 5.0–6.9	7.0-8.9	9.0-10.9	11.0–12.9	13.0-14.9	15.0-16.9	17.0–18.9	19.0-20.9	21.0-28.9	229.0
	Thousand trees										
Longleaf pine	1,408	135	251	191	316	165	200	111	22	18	0
Slash pine	1,741	108	427	460	394	290	27	25	10	0	0
Shortleaf pine	29,157	6,358	7,819	6,519	4,061	2,409	1,380	449	82	79	0
Loblolly pine	197,570	86,835	49,356	21,852	14,973	10,253	7,087	3,651	1,871	1,629	62
Spruce pine	3,011	597	809	412	294	176	237	221	67	183	15
Redcedars	2,586	1,458	525	192	234	67	82	15	12	0	0
Cypress	276	0	70	0	62	38	16	38	31	20	0
Total softwoods	235,750	95,491	59,257	29,626	20,335	13,398	9,029	4,510	2,096	1,930	77
Select white oaks	17,869	6,228	4,186	2,502	1,601	1,039	902	645	293	438	36
Select red oaks	8,459	2,849	1,286	1,435	782	721	643	275	172	260	36
Other white oaks	13,482	4,517	3,596	1,843	1,449	885	621	247	155	164	5
Other red oaks	46,451	15,655	9,951	6,538	4,649	3,646	2,353	1,404	882	1,206	168
Sweet pecan	13	0	0	0	0	0	0	13	0	0	0
Water hickory	89	0	70	0	0	19	0	0	0	0	0
Other hickories	13,597	5,109	3,094	1,692	1,412	889	760	341	168	127	4
Persimmon	859	354	345	103	58	0	0	0	0	0	0
Hard maples	12	0	0	0	0	0	0	12	0	0	0
Soft maples	12,377	7,997	2,556	1,173	417	195	32	0	0	8	0
Boxelder	284	98	107	0	25	38	16	0	0	0	0
Beech	810	139	200	92	26	111	78	50	29	72	15
Sweetgum	66,416	35,103	16,427	8,835	2,822	1,688	889	318	216	105	13
Blackgum	9,642	3,912	2,603	1,588	803	430	202	64	19	17	4
Other gums/tupelos	3,096	1,379	795	410	107	98	135	78	44	50	0
White ash	224	121	0	0	31	20	43	0	9	0	0
Other ashes	2,799	1,026	720	488	325	122	63	36	20	0	0
Sycamore	689	204	132	80	143	46	30	14	10	30	0
Cottonwood	104	0	0	0	29	66	0	0	0	8	0
Yellow-poplar	8,482	3,071	1,685	1,169	938	618	326	178	216	259	20
Magnolias	362	144	80	126	0	0	0	0	11	0	0
Sweetbay	2,427	1,160	421	226	323	135	143	11	0	8	0
Willow	861	107	495	186	0	41	20	0	12	0	0
Black walnut	11	0	0	0	0	0	0	11	0	0	0
Black cherry	2,800	1,966	556	255	0	0	0	22	0	0	0
American elm	2,043	828	569	348	55	125	46	25	34	12	0
Other elms	3,957	1,810	1,259	510	224	98	29	29	0	0	0
River birch	256	191	0	0	22	0	31	0	9	3	0
Hackberries	1,233	251	398	230	117	134	0	34	29	35	6
Other locusts	296	126	0	104	67	0	0	0	0	0	0
Sassafras	1,066	852	162	39	0	0	0	13	0	0	0
Dogwood	1,696	1,623	73	0	0	0	0	0	0	0	0
Holly	602	349	254	0	0	0	0	0	0	0	0
Other commercial	327	130	79	49	54	0	0	15	0	0	0
Total hardwoods	223,692	97,301	52,098	30,018	16,476	11,163	7,363	3,834	2,330	2,802	307
All species	459,441	192,792	111,355	59,644	36,811	24,561	16,391	8,344	4,426	4,732	384

*Numbers in columns and rows may not add to totals due to rounding.

Table 34.—*Volume of live trees on timberland by detailed species and diameter class, central Mississippi counties, 1994'*

Species	All classes	Diameter class (*Inches at breas? height*) 5.0-6.9	7.0-8.9	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	≥29.0
	Million cubic feet										
Longleaf pine	33.5	0.4	1.7	2.2	6.2	5.3	8.4	6.0	1.6	1.8	*0.0*
Slash pine	31.3	0.2	2.4	6.9	8.7	9.4	1.4	1.6	0.6	0.0	*0.0*
Shortleaf pine	474.8	24.1	64.1	97.8	98.0	83.4	66.4	26.9	5.8	8.3	*0.0*
Loblolly pine	2,241.1	208.6	269.5	262.4	308.2	333.5	320.2	210.0	142.7	174.1	11.8
Spruce pine	80.1	1.6	6.1	6.0	5.7	5.7	9.9	13.4	5.8	22.8	3.2
Redcedars	17.8	4.2	2.5	2.9	3.6	1.7	2.2	0.4	0.4	0.0	0.0
Cypress	10.3	0.0	0.6	0.0	1.4	1.8	0.5	2.1	1.8	2.1	0.0
Total softwoods	2,888.9	239.1	346.8	378.1	431.8	440.9	409.0	260.5	158.7	209.1	15.0
Select white oaks	257.0	17.1	26.8	31.2	32.5	28.4	31.1	30.7	17.1	36.9	5.3
Select red oaks	147.8	8.1	10.4	17.8	16.9	20.1	23.4	13.5	9.9	23.4	4.3
Other white oaks	154.0	13.3	22.2	21.4	24.4	20.4	20.5	10.7	8.6	11.5	1.1
Other red oaks	735.4	45.1	66.7	81.0	92.5	102.5	88.2	72.4	53.3	105.2	28.4
Sweet pecan	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	0.0	0.0
Water hickory	1.2	0.0	0.2	0.0	0.0	0.5	0.0	0.0	0.0	0.6	0.0
Other hickories	170.6	13.9	17.5	19.9	27.3	22.6	28.9	17.3	11.1	11.6	0.4
Persimmon	5.9	1.6	1.9	1.3	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Hard maples	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Soft maples	77.7	27.5	19.4	13.5	9.2	4.5	2.2	0.5	0.1	0.7	0.0
Boxelder	4.3	0.9	1.1	0.4	0.7	0.8	0.4	0.0	0.0	0.0	0.0
Beech	31.0	0.2	1.3	0.8	1.1	3.7	2.8	5.0	3.2	10.2	2.8
Sweetgum	498.6	92.4	104.7	103.3	65.8	52.5	37.4	16.0	15.1	9.8	1.6
Blackgum	87.7	11.1	16.4	19.7	15.8	11.0	7.5	3.6	1.2	1.0	0.3
Other gums/tupelos	31.3	3.7	4.3	4.0	3.0	3.0	4.9	3.1	2.8	2.5	0.0
White ash	4.2	0.7	0.0	0.0	0.7	0.7	1.6	0.0	0.5	0.0	0.0
Other ashes	29.1	3.8	4.8	4.6	6.9	3.6	2.1	2.0	1.1	0.4	0.0
Sycamore	13.2	0.8	1.0	1.3	3.5	1.1	1.2	0.8	0.7	2.9	0.0
Cottonwood	2.7	0.0	0.0	0.0	0.5	1.8	0.0	0.0	0.0	0.4	0.0
Yellow-poplar	130.9	8.5	10.5	14.2	18.3	18.2	12.7	9.5	14.3	21.7	2.9
Magnolias	2.7	0.3	0.4	1.3	0.0	0.0	0.2	0.0	0.5	0.0	0.0
Sweetbay	30.6	4.1	3.6	4.3	6.4	5.7	4.7	1.1	0.4	0.3	0.0
Willow	7.9	0.7	2.8	1.6	0.2	0.6	1.1	0.0	0.5	0.3	0.0
Black walnut	0.8	0.0	0.0	0.0	0.4	0.0	0.0	0.4	0.0	0.0	0.0
Black cherry	16.8	7.8	3.8	3.2	0.8	0.0	0.3	1.0	0.0	0.0	0.0
American elm	24.1	2.9	4.1	4.9	2.5	2.8	1.7	1.5	1.7	1.2	0.9
Other elms	31.3	6.7	7.7	5.4	5.6	3.3	1.0	1.4	0.0	0.3	0.0
River birch	2.9	0.6	0.3	0.1	0.5	0.0	0.9	0.0	0.3	0.2	0.0
Hackberries	18.6	1.0	2.0	2.9	2.3	3.4	0.0	1.9	1.6	2.5	0.9
Other locusts	2.1	0.3	0.0	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Sassafras	5.4	3.3	1.0	0.4	0.0	0.0	0.0	0.7	0.0	0.0	0.0
Dogwood	7.9	6.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Holly	4.2	0.7	2.2	0.2	0.4	0.4	0.0	0.0	0.0	0.3	0.0
Other commercial	6.7	1.5	1.1	0.8	1.8	0.3	0.2	0.7	0.0	0.2	0.0
Total hardwoods	2,545.9	284.8	340.2	360.4	342.0	311.8	275.1	194.5	144.0	243.9	49.0
Noncommercial	48.4	17.9	17.7	7.0	2.4	1.6	0.7	1.1	0.0	0.0	0.0
All species	5,483.2	541.8	704.7	745.5	776.2	754.4	684.8	456.1	302.7	453.0	64.0

*Numbers in columns and rows may not add to totals due to rounding.

Table 35.—*Volume growing stock on timberland by detailed species and diameter class, central Mississippi counties, 1994*[1]

Species	All classes	Diameter class (*Inches at breast height*) 5.0–6.9	7.0–8.9	9.0–10.9	11.0–12.9	13.0–14.9	15.0–16.9	17.0–18.9	19.0–20.9	21.0–28.9	≥29.0
	Million cubic feet										
Longleaf pine	33.1	0.4	1.7	2.2	6.2	5.3	8.4	6.0	1.6	1.4	0.0
Slash pine	31.3	0.2	2.4	6.9	8.7	9.4	1.4	1.6	0.6	0.0	0.0
Shortleaf pine	467.0	19.3	62.0	97.6	98.0	83.1	66.4	26.9	5.8	7.9	0.0
Loblolly pine	2,205.2	195.7	263.6	257.0	305.0	330.1	317.7	209.4	141.9	173.4	11.5
Spruce pine	78.7	1.4	5.4	5.6	5.7	5.7	9.9	13.4	5.8	22.8	3.2
Redcedars	15.7	3.7	2.2	2.2	3.3	1.3	2.2	0.4	0.4	0.0	0.0
Cypress	10.1	0.0	0.4	0.0	1.4	1.8	0.5	2.1	1.8	2.1	0.0
Total softwoods	2,841.1	220.6	337.6	371.3	428.2	436.8	406.5	259.9	157.9	207.6	14.6
Select white oaks	237.8	15.7	25.5	28.8	29.4	26.5	30.2	28.5	16.2	32.1	5.0
Select red oaks	141.4	7.6	9.2	17.2	14.8	19.5	22.8	13.1	9.9	23.0	4.3
Other white oaks	131.3	10.2	18.8	17.9	21.3	18.3	17.4	9.2	7.7	9.8	0.7
Other red oaks	662.1	40.2	61.1	74.8	84.7	90.7	81.5	64.8	49.9	93.1	21.4
Sweet pecan	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
Water hickory	0.7	0.0	0.2	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
Other hickories	158.9	11.9	16.1	17.9	25.7	21.6	27.9	16.0	10.8	10.7	0.4
Persimmon	4.6	0.9	1.9	0.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Hard maples	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Soft maples	58.0	20.7	13.8	11.1	7.1	3.6	1.0	0.0	0.0	0.7	0.0
Boxelder	2.7	0.3	0.9	0.0	0.4	0.8	0.4	0.0	0.0	0.0	0.0
Beech	19.1	0.2	1.3	0.8	0.5	2.5	2.2	2.2	1.8	5.9	1.7
Sweetgum	454.6	81.3	95.9	99.0	56.2	47.8	35.6	15.4	13.6	8.3	1.5
Blackgum	76.6	8.4	15.0	17.3	13.8	10.9	6.4	2.9	1.0	0.6	0.3
Other gums/tupelos	27.7	3.5	4.3	3.8	1.7	3.0	4.5	2.6	2.0	2.3	0.0
White ash	3.9	0.4	0.0	0.0	0.7	0.7	1.6	0.0	0.5	0.0	0.0
Other ashes	25.3	2.7	4.0	4.6	6.0	3.1	2.1	1.7	1.1	0.0	0.0
Sycamore	12.4	0.6	0.8	1.3	3.2	1.1	1.2	0.8	0.7	2.8	0.0
Cottonwood	2.7	0.0	0.0	0.0	0.5	1.8	0.0	0.0	0.0	0.4	0.0
Yellow-poplar	126.6	7.6	10.3	13.7	17.6	18.0	12.6	8.7	13.8	21.7	2.6
Magnolias	2.5	0.3	0.4	1.3	0.0	0.0	0.0	0.0	0.5	0.0	0.0
Sweetbay	22.3	3.6	2.9	2.5	5.0	3.3	4.2	0.4	0.0	0.3	0.0
Willow	5.9	0.3	2.6	1.6	0.0	0.6	0.3	0.0	0.5	0.0	0.0
Black walnut	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Black cherry	11.4	5.1	3.2	2.1	0.0	0.0	0.0	1.0	0.0	0.0	0.0
American elm	18.6	2.3	3.2	3.7	1.0	2.8	1.4	1.3	1.7	1.2	0.0
Other elms	26.7	5.3	6.7	5.1	4.4	2.8	1.0	1.4	0.0	0.0	0.0
River birch	2.5	0.6	0.0	0.0	0.5	0.0	0.9	0.0	0.3	0.2	0.0
Hackberries	14.6	0.6	1.9	1.9	1.7	2.9	0.0	1.4	1.6	1.7	0.8
Other locusts	2.1	0.3	0.0	0.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Sassafras	4.1	2.2	0.8	0.4	0.0	0.0	0.0	0.7	0.0	0.0	0.0
Dogwood	2.8	2.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Holly	1.8	0.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other commercial	2.8	0.3	0.4	0.3	1.2	0.0	0.0	0.7	0.0	0.0	0.0
Total hardwoods	2.266.0	236.0	302.6	328.9	299.3	283.0	255.1	173.9	133.5	214.9	38.7
All species	5107.1	456.7	640.2	700.2	727.6	719.9	661.6	433.8	291.4	422.5	53.3

[1]Numbers in columns and rows may not add to totals due to rounding.

Table 36.—*Volume of growing stock in the sawlog portion of sawtimber trees on timberland by detailed species and diameter class, central Mississippi counties, 1994**

Species	All classes	Diameter class (*Inches at breast height*)							
		9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	≥29.0
		Million cubic feet							
Longleaf pine	27.0	1.8	5.2	4.6	7.3	5.1	1.4	1.4	0.0
Slash pine	25.3	5.8	7.8	8.5	1.3	1.4	0.5	0.0	0.0
Shortleaf pine	332.5	79.9	86.3	73.6	57.8	23.4	4.8	6.6	0.0
Loblolly pine	1,500.5	204.5	264.4	290.8	277.1	181.3	122.3	150.1	10.0
Spruce pine	62.8	4.7	4.5	5.0	8.6	12.2	4.9	20.2	2.8
Redcedars	8.4	1.8	2.7	1.2	2.1	0.4	0.3	0.0	0.0
Cypress	8.2	0.0	1.2	1.6	0.5	1.9	1.7	1.5	0.0
Total softwoods	1,964.6	298.4	372.2	385.3	354.7	225.6	135.9	179.8	12.8
Select white oaks	133.0	*0.0*	21.3	21.7	23.9	23.1	13.2	26.2	3.6
Select red oaks	87.2	*0.0*	9.9	15.7	18.7	11.0	8.4	19.6	3.9
Other white oaks	67.5	*0.0*	15.4	14.9	14.7	7.7	6.2	8.0	0.6
Other red oaks	386.6	*0.0*	60.5	71.8	65.6	52.5	40.8	77.0	18.4
Sweet pecan	0.4	*0.0*	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Water hickory	0.4	*0.0*	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Other hickories	88.0	*0.0*	18.7	17.1	23.0	12.5	8.5	8.0	0.2
Persimmon	0.6	*0.0*	0.6	0.0	0.0	0.0	0.0	0.0	0.0
Hard maples	0.4	*0.0*	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Soft maples	9.2	*0.0*	5.0	2.9	0.6	0.0	0.0	0.7	0.0
Boxelder	1.2	*0.0*	0.3	0.6	0.3	0.0	0.0	0.0	0.0
Beech	12.5	*0.0*	0.3	2.0	1.7	1.7	1.2	4.2	1.4
Sweetgum	141.8	*0.0*	38.3	39.1	30.9	13.4	11.3	7.3	1.4
Blackgum	27.3	*0.0*	9.6	8.7	5.3	2.4	0.6	0.4	0.2
Other gums/tupelos	13.8	*0.0*	1.2	2.6	3.9	2.2	1.9	2.1	0.0
White ash	2.6	*0.0*	0.5	0.5	1.1	0.0	0.4	0.0	0.0
Other ashes	10.5	*0.0*	3.8	2.5	1.7	1.5	1.0	0.0	0.0
Sycamore	7.9	*0.0*	2.3	0.9	0.9	0.7	0.6	2.4	0.0
Cottonwood	2.0	*0.0*	0.3	1.4	0.0	0.0	0.0	0.3	0.0
Yellow-poplar	77.6	*0.0*	12.1	14.9	10.5	7.6	11.7	18.5	2.3
Magnolias	0.5	*0.0*	0.0	0.0	0.0	0.0	0.5	0.0	0.0
Sweetbay	10.1	*0.0*	3.4	2.7	3.3	0.4	0.0	0.3	0.0
Willow	1.1	*0.0*	0.0	0.5	0.2	0.0	0.4	0.0	0.0
Black walnut	0.4	*0.0*	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Black cherry	0.8	*0.0*	0.0	0.0	0.0	0.8	0.0	0.0	0.0
American elm	7.5	*0.0*	0.8	2.2	1.1	1.0	1.4	1.0	0.0
Other elms	7.5	*0.0*	3.0	2.4	0.9	1.2	0.0	0.0	0.0
River birch	1.5	*0.0*	0.4	0.0	0.7	0.0	0.2	0.2	0.0
Hackberries	8.6	*0.0*	1.2	2.4	0.0	1.2	1.4	1.4	0.8
Other locusts	0.7	*0.0*	0.7	0.0	0.0	0.0	0.0	0.0	0.0
Sassafras	0.7	*0.0*	0.0	0.0	0.0	0.7	0.0	0.0	0.0
Other commercial	1.5	*0.0*	0.9	0.0	0.0	0.6	*0.0*	*0.0*	0.0
Total hardwoods	1,111.4	0.0	210.5	227.9	208.9	143.6	109.9	177.6	32.9
All species	3,076.0	298.4	582.7	613.3	563.6	369.1	245.8	357.4	45.7

*Numbers in columns and rows may not add to totals due to rounding.

Table 37.—*Volume of live trees on timberland by detailed species and class timber, central Mississippi counties, 1994**

Species	All live	Growing stock	Rough	Rotten
			Million cubic feet	
Longleaf pine	33.5	33.1	0.4	0.0
Slash pine	31.3	31.3	0.0	0.0
Shortleaf pine	474.8	467.0	7.8	0.0
Loblolly pine	2,241.1	2,205.2	35.7	0.1
Spruce pine	80.1	78.7	1.4	0.0
Redcedars	17.8	15.7	2.1	0.0
Cypress	10.3	10.1	0.2	0.0
Total softwoods	2,888.9	2,841.1	47.6	0.1
Select white oaks	257.0	237.8	15.3	3.9
Select red oaks	147.8	141.4	5.8	0.7
Other white oaks	154.0	131.3	20.3	2.4
Other red oaks	735.4	662.1	50.7	22.5
Sweet pecan	0.6	0.5	0.1	0.0
Water hickory	1.2	0.7	0.0	0.6
Other hickories	170.6	158.9	8.0	3.6
Persinunon	5.9	4.6	1.1	0.2
Hard maples	0.4	0.4	0.0	0.0
Soft maples	77.7	58.0	18.7	1.0
Boxelder	4.3	2.7	1.5	0.1
Beech	31.0	19.1	6.4	5.5
Sweetgum	498.6	454.6	33.3	10.7
Blackgum	87.7	76.6	8.5	2.7
Other gums/tupelos	31.3	27.7	2.9	0.7
White ash	4.2	3.9	0.3	0.0
Other ashes	29.1	25.3	2.9	1.0
Sycamore	13.2	12.4	0.7	0.1
Cottonwood	2.7	2.7	0.0	0.0
Yellow-poplar	130.9	126.6	2.3	2.1
Magnolias	2.7	2.5	0.0	0.2
Sweetbay	30.6	22.3	6.9	1.4
Willow	7.9	5.9	2.0	0.0
Black walnut	0.8	0.4	0.4	0.0
Black cherry	16.8	11.4	4.4	1.0
American elm	24.1	18.6	5.5	0.0
Other elms	31.3	26.7	4.3	0.3
River birch	2.9	2.5	0.4	0.0
Hackberries	18.6	14.6	3.5	0.5
Other locusts	2.1	2.1	0.0	0.0
Sassafras	5.4	4.1	1.1	0.3
Dogwood	7.9	2.8	5.1	0.1
Holly	4.2	1.8	2.4	0.0
Other commercial	6.7	2.8	3.5	0.4
Total hardwoods	2,545.9	2,266.0	218.2	61.7
Noncommercial	48.4	0.0	48.4	0.0
All species	5,483.2	5,107.1	314.3	61.9

*Numbers in columns and rows may not add to totals due to rounding.

Table 38.—*Volume of sawtimber for tree grade 1 on timberland by detailed species and diameter class, central Mississippi counties, 1994**

Species	All classes	9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	≥29.0
		Diameter class (*Inches at breast height*)							
		--- *Million board feet* ---							
Longleaf pine	34.0	0.0	16.7	3.2	9.0	5.1	0.0	0.0	0.0
Slash pine	3.7	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0
Shortleaf pine	652.1	116.1	136.6	174.4	136.6	58.1	13.3	17.1	0.0
Loblolly pine	2,677.5	110.7	276.7	430.6	623.0	345.9	356.2	491.9	42.4
Spruce pine	79.7	0.0	3.5	6.2	6.1	7.0	0.0	35.8	21.1
Redcedars	41.5	8.9	11.7	6.0	11.5	1.8	1.6	0.0	0.0
Cypress	15.0	0.0	0.0	0.0	2.2	5.9	2.2	4.7	0.0
Total softwoods	3,503.6	235.7	445.3	624.2	788.4	423.7	373.4	549.5	63.5
Select white oaks	162.0	0.0	0.0	0.0	13.8	53.1	24.1	61.3	9.7
Select red oaks	141.5	0.0	0.0	0.0	6.8	19.4	22.0	85.1	8.2
Other white oaks	24.4	0.0	0.0	0.0	3.0	5.7	0.0	12.7	3.0
Other red oaks	170.3	0.0	0.0	0.0	9.4	22.7	46.0	74.9	17.2
Other hickories	48.5	0.0	0.0	0.0	18.4	7.8	11.2	11.1	0.0
Sweetgum	84.0	0.0	0.0	0.0	14.2	21.6	27.4	20.9	0.0
Blackgum	14.4	0.0	0.0	0.0	3.5	10.9	0.0	0.0	0.0
Other gums/tupelos	24.4	0.0	0.0	0.0	2.7	9.4	7.8	4.5	0.0
White ash	3.3	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0
Other ashes	7.9	0.0	0.0	0.0	0.0	3.6	4.3	0.0	0.0
Sycamore	14.1	0.0	0.0	0.0	2.5	0.0	3.9	7.8	0.0
Yellow-poplar	97.6	0.0	0.0	0.0	5.6	25.0	18.4	39.9	8.8
Magnolias	2.9	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0
Black cherry	2.7	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0
American elm	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0
Hackberries	5.2	0.0	0.0	0.0	0.0	2.8	0.0	2.4	0.0
Sassafras	3.8	0.0	0.0	0.0	0.0	3.8	0.0	0.0	0.0
Other commercial	3.4	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0
Total hardwoods	814.4	0.0	0.0	0.0	83.2	192.0	167.9	324.6	46.8
All species	4,318.0	235.7	445.3	624.2	871.6	615.6	541.3	874.1	110.3

*Numbers in columns and rows may not add to totals due to rounding.

Table 39.—*Volume of sawtimber for tree grade 2 on timberland by detailed species and diameter class, central Mississippi counties, 1994**

Species	All classes	Diameter class (*Inches at breast height*) 9.0–10.9	11.0–12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0–28.9	≥29.0
				Million board feet					
Longleaf pine	65.0	3.4	9.6	17.8	21.5	12.7	0.0	0.0	0.0
Slash pine	36.2	8.6	5.8	8.0	8.8	5.0	0.0	0.0	0.0
Shortleaf pine	556.3	83.5	128.0	143.0	130.0	49.9	8.1	13.8	0.0
Loblolly pine	2,072.1	161.6	372.6	409.3	376.7	370.4	185.2	183.7	12.6
Spruce pine	72.1	0.0	6.4	7.1	8.1	9.1	4.6	36.8	0.0
Cypress	12.4	0.0	4.3	3.6	0.0	0.0	4.5	0.0	0.0
Total softwoods	2,814.1	257.1	526.7	588.7	545.2	447.1	202.4	234.3	12.6
Select white oaks	248.2	0.0	0.0	39.3	61.1	44.4	37.6	56.4	9.4
Select red oaks	135.0	0.0	0.0	23.2	50.5	25.1	10.9	25.3	0.0
Other white oaks	91.4	0.0	0.0	29.6	32.3	13.5	5.8	10.2	0.0
Other red oaks	420.3	0.0	0.0	58.1	94.2	84.2	60.2	108.4	15.2
Other hickories	135.7	0.0	0.0	48.7	41.6	22.7	11.1	11.6	0.0
Hard maples	2.4	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0
Sweetgum	257.2	0.0	0.0	106.5	96.7	28.6	18.3	4.4	2.8
Blackgum	48.5	0.0	0.0	30.5	18.0	0.0	0.0	0.0	0.0
Other gums/tupelos	28.1	0.0	0.0	10.0	13.8	0.0	2.0	2.3	0.0
White ash	3.6	0.0	0.0	3.6	0.0	0.0	0.0	0.0	0.0
Other ashes	16.6	0.0	0.0	8.3	4.6	3.8	0.0	0.0	0.0
Sycamore	9.4	0.0	0.0	2.2	2.8	0.0	0.0	4.4	0.0
Cottonwood	8.6	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0
Yellow-poplar	133.6	0.0	0.0	40.5	33.7	10.6	19.4	29.4	0.0
Willow	0.9	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0
Black walnut	2.2	0.0	0.0	0.0	0.0	2.2	0.0	0.0	0.0
American elm	13.0	0.0	0.0	4.5	2.0	6.4	0.0	0.0	0.0
Other elms	9.3	0.0	0.0	9.3	0.0	0.0	0.0	0.0	0.0
River birch	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0
Hackberries	7.8	0.0	0.0	0.0	0.0	0.0	4.9	0.0	2.9
Total hardwoods	1,573.0	0.0	0.0	423.7	451.4	243.9	170.1	253.5	30.4
All species	4,387.0	257.1	526.7	1,012.4	996.6	691.0	372.4	487.8	42.9

*Numbers in columns and rows may not add to totals due to rounding.

Table 40.—*Volume of sawtimber for tree grade 3 on timberland by detailed species and diameter class, central Mississippi counties, 1994*[1]

Species	All classes	Diameter class (*Inches at breast height*)							
		9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	≥29.0
	Million board feet								
Longleaf pine	73.4	5.2	5.3	8.7	17.9	16.6	9.8	9.9	0.0
Slash pine	117.9	24.4	42.0	43.6	0.0	4.7	3.3	0.0	0.0
Shortleaf pine	920.5	264.3	277.7	172.2	122.4	54.9	12.3	16.8	0.0
Loblolly pine	4,774.4	822.3	911.9	1,014.2	819.6	505.1	308.3	372.3	14.2
Spruce pine	267.4	25.2	16.3	18.4	31.9	65.8	30.3	73.5	0.0
Cypress	4.5	0.0	0.0	0.0	0.0	0.0	2.1	2.4	0.0
Total softwoods	6,158.2	1,141.5	1,259.2	1,257.0	997.8	647.6	366.2	474.7	14.2
Select white oaks	293.2	0.0	88.2	67.8	51.5	33.7	19.1	30.9	2.1
Select red oaks	161.2	0.0	37.6	39.8	40.2	22.1	13.5	8.0	0.0
Other white oaks	183.6	0.0	61.0	38.5	28.1	14.6	23.1	18.3	0.0
Other red oaks	791.3	0.0	155.0	165.0	136.1	132.6	72.6	115.6	14.2
Other hickories	262.5	0.0	80.4	26.4	61.9	39.9	28.9	24.9	0.0
Persimmon	2.3	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0
Soft maples	21.6	0.0	18.0	2.1	1.5	0.0	0.0	0.0	0.0
Boxelder	1.3	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0
Beech	25.3	0.0	1.6	3.9	0.0	0.0	2.6	8.5	8.8
Sweetgum	387.9	0.0	188.2	87.0	59.6	25.8	23.8	3.4	0.0
Blackgum	78.7	0.0	48.4	17.9	3.9	4.3	3.7	0.5	0.0
Other gums/tupelos	13.2	0.0	5.8	2.3	5.0	0.0	0.0	0.0	0.0
White ash	9.4	0.0	3.2	0.0	3.5	0.0	2.8	0.0	0.0
Other ashes	28.8	0.0	21.4	4.8	2.6	0.0	0.0	0.0	0.0
Sycamore	17.8	0.0	11.2	0.0	0.0	4.2	0.0	2.4	0.0
Yellow-poplar	161.7	0.0	49.7	38.5	22.2	9.0	23.9	18.5	0.0
Sweetbay	36.1	0.0	15.2	9.6	11.3	0.0	0.0	0.0	0.0
Willow	5.5	0.0	0.0	1.5	1.4	0.0	2.6	0.0	0.0
American elm	20.4	0.0	2.9	3.8	1.9	0.0	8.8	3.1	0.0
Other elms	26.7	0.0	13.6	2.5	3.5	1.2	0.0	0.0	0.0
River birch	8.1	0.0	2.4	0.0	4.1	0.0	1.6	0.0	0.0
Hackberries	21.0	0.0	4.4	12.7	0.0	2.6	0.0	1.2	0.0
Other commercial	5.2	0.0	5.2	0.0	0.0	0.0	0.0	0.0	0.0
Total hardwoods	2,562.7	0.0	815.7	525.2	438.3	296.1	226.9	235.4	25.1
All species	8,720.9	1,141.5	2,074.9	1,782.1	1,436.1	943.8	593.1	710.1	39.3

[1]Numbers in columns and rows may not add to totals due to rounding.

Table 41 .—*Volume of sawtimber for tree grade 4 on timberland by detailed species and diameter class, central Mississippi counties, 1994'*

Species	All classes	Diameter class (*Inches at breast height*) 9.0-10.9	11.0-12.9	13.0-14.9	15.0-16.9	17.0-18.9	19.0-20.9	21.0-28.9	≥29.0
				Million board feet					
Select white oaks	57.9	*0.0*	20.6	17.2	6.4	4.6	4.8	4.3	*0.0*
Select red oaks	63.9	*0.0*	16.9	26.4	11.9	1.9	3.8	0.0	3.1
Other white oaks	68.5	*0.0*	18.1	9.4	19.8	11.7	3.1	6.4	0.0
Other red oaks	766.9	*0.0*	160.5	171.7	135.0	78.5	61.3	138.0	21.8
Sweet pecan	2.5	*0.0*	0.0	0.0	0.0	2.5	0.0	0.0	0.0
Other hickories	77.4	*0.0*	24.7	19.6	19.7	6.0	3.1	4.4	0.0
Persimmon	1.4	*0.0*	1.4	0.0	0.0	0.0	0.0	0.0	0.0
Soft maples	26.7	*0.0*	9.6	11.5	2.0	0.0	0.0	3.6	0.0
Boxelder	3.8	*0.0*	1.9	1.9	0.0	0.0	0.0	0.0	0.0
Beech	49.3	*0.0*	0.0	4.1	11.2	11.3	6.0	16.7	0.0
Sweetgum	65.3	*0.0*	20.1	29.8	6.7	0.0	0.0	8.8	0.0
Blackgum	7.2	*0.0*	2.3	1.2	3.7	0.0	0.0	0.0	0.0
Otber ashes	2.2	*0.0*	0.0	2.2	0.0	0.0	0.0	0.0	0.0
Cottonwood	1.6	*0.0*	1.6	0.0	0.0	0.0	0.0	0.0	0.0
Yellow-poplar	56.7	*0.0*	17.8	9.8	2.9	0.0	7.4	18.7	0.0
Sweetbay	3.0	*0.0*	0.9	0.0	2.1	0.0	0.0	0.0	0.0
Black cherry	2.7	*0.0*	0.0	0.0	0.0	2.7	0.0	0.0	0.0
American elm	5.7	*0.0*	0.0	3.4	2.2	0.0	0.0	0.0	0.0
Other elms	9.1	*0.0*	4.1	3.0	1.9	0.0	0.0	0.0	0.0
Hackberties	1.8	*0.0*	0.0	1.8	0.0	0.0	0.0	0.0	0.0
Other locusts	1.9	*0.0*	1.9	0.0	0.0	0.0	0.0	0.0	0.0
Total hardwoods	1.275.3	0.0	302.3	313.0	225.5	119.2	89.4	201.0	24.9
All species	1,275.3	0.0	302.3	313.0	225.5	119.2	89.4	201.0	24.9

*Numbers in columns and rows may not add to totals due to rounding.

Table 42.—*Volume of sawtimber on timberland by species and ownership class, central Mississippi counties, 1994**

Species	All ownerships	National forest	Other public	Forest industry	Forest industry-leased	Other private
			Million board feet			
Yellow pines	12,633.5	1,861.2	1,016.0	2,523.0	23.8	7,209.5
Cypress	49.6	0.0	0.0	31.9	0.0	17.7
Redcedars	43.7	5.7	0.0	6.3	0.0	31.7
Total softwoods	12.726.7	1.866.9	1.016.0	2.561.2	23.8	7,258.9
Select white-red oaks	1,344.7	152.2	100.9	218.3	11.1	862.1
Other white-red oaks	2,725.8	168.3	167.0	462.9	5.6	1,922.0
Hickories	547.3	61.2	24.6	105.9	0.0	355.6
Hard maples	2.4	0.0	0.0	0.0	0.0	2.4
Sweetgum	841.4	50.9	79.9	117.0	10.0	583.6
Tupelos and blackgums	226.9	12.4	5.2	22.7	0.0	186.7
Ashes-walnut-black cherry	85.0	8.5	9.5	9.0	0.0	58.0
Yellow-poplar	473.7	62.0	5.1	72.4	0.0	334.2
Other hardwoods	427.8	19.0	17.4	62.3	0.0	329.1
Total hardwoods	6.675.1	534.5	409.7	1,070.5	26.7	4,633.7
All species	19,401.9	2,401.4	1,425.7	3,631.7	50.5	11,892.6

*Numbers in columns and rows may not add to totals due to rounding.

Table 43.—*Average net annual growth, average annual removals, and average annual mortality of live trees by county and species group, central Mississippi counties, 1994**

County	Net Growth			Removals			Mortality		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	Million cubic feet								
Attala	30.9	17.4	13.5	26.3	15.1	11.2	4.0	1.9	2.1
Clarke	27.9	20.9	7.0	19.1	10.3	8.8	2.5	1.2	1.3
Jasper	20.1	14.5	5.6	25.5	19.0	6.5	3.7	1.5	2.2
Kemper	40.0	31.0	8.9	36.4	27.9	8.5	3.6	2.1	1.5
Lauderdale	26.9	18.8	8.0	42.0	22.5	19.5	3.3	1.9	1.4
Leake	22.3	14.0	8.3	11.8	6.0	5.8	4.1	2.2	1.9
Neshoba	16.9	7.7	9.2	23.4	13.9	9.5	3.8	1.1	2.7
Newton	22.1	12.2	9.9	23.5	15.1	8.4	1.9	0.9	1.0
Noxubee	14.7	9.8	4.9	19.6	12.4	7.2	2.3	1.2	1.0
Rankin	21.5	10.0	11.5	39.8	22.4	17.4	7.0	3.3	3.6
Scott	27.8	17.1	10.7	34.2	22.1	12.1	2.3	0.3	2.0
Simpson	18.7	12.4	6.3	14.8	9.9	4.9	2.3	1.1	1.2
Smith	19.8	11.9	7.9	24.7	17.1	7.6	3.8	2.4	1.4
Winston	12.9	10.2	2.6	20.8	14.9	5.9	3.8	2.1	1.8
All counties	322.5	208.0	114.5	361.8	228.5	133.2	48.7	23.4	25.3

*Numbers in columns and rows may not add to totals due to rounding.

Table 44.—*Average net annual growth, average annual removals, and average annual mortality of live trees by ownership class and species group, central Mississippi counties, 1994**

Ownership class	Net Growth			Removals			Mortality		
	All species	Softwood	Hardwood	All species	Softwood	Hardwood	All species	Softwood	Hardwood
	Million cubic feet								
National forest	13.8	9.9	4.0	11.5	8.9	2.6	2.7	1.1	1.6
Other public	8.8	5.9	2.9	4.8	2.8	2.0	2.8	1.9	1.0
Forest industry	72.7	53.9	18.9	71.6	43.7	27.9	12.1	6.6	5.6
Forest industry–leased	0.9	0.3	0.6	0.0	0.0	0.0	0.1	0.0	0.1
Other private	226.2	138.0	88.2	273.8	173.1	100.7	30.8	13.8	17.0
All ownerships	322.5	208.0	114.5	361.8	228.5	133.2	48.7	23.4	25.3

*Numbers in columns and rows may not add to totals due to rounding.

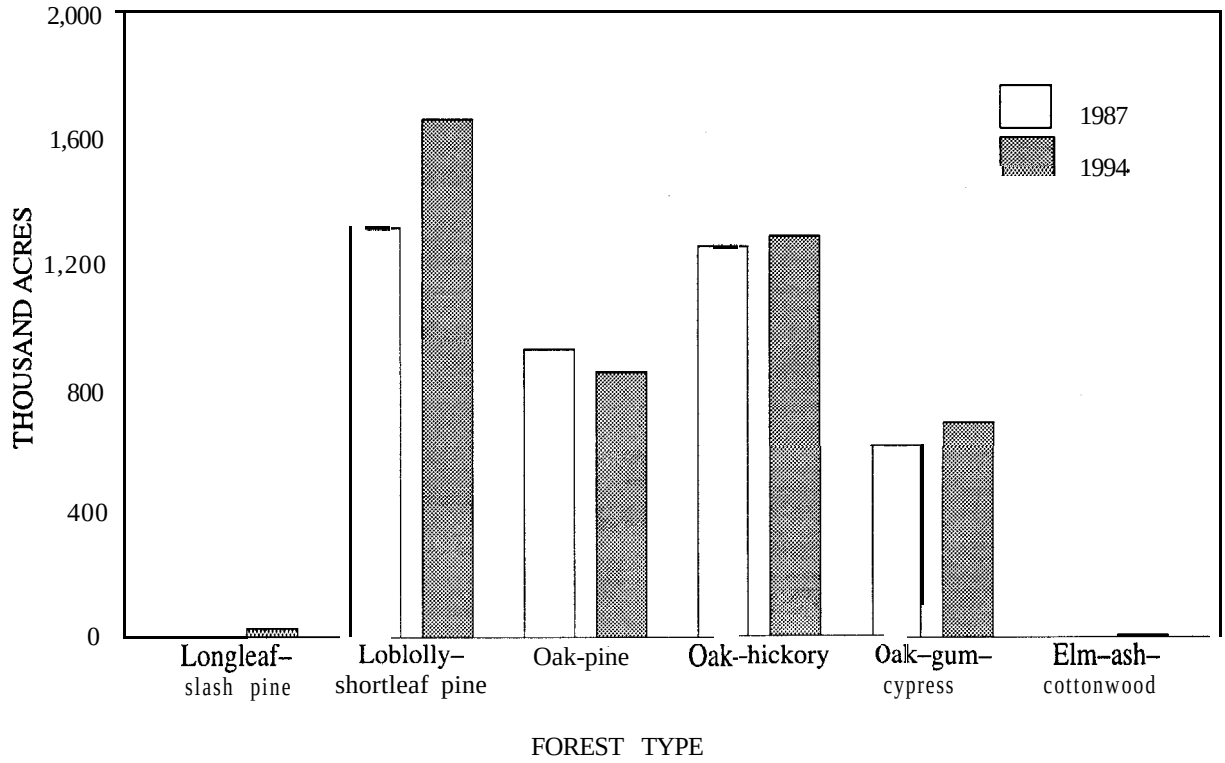

Figure 1 .—*Area of* ***tirnberland by forest type, central Mississippi, 1987 and 1994.***

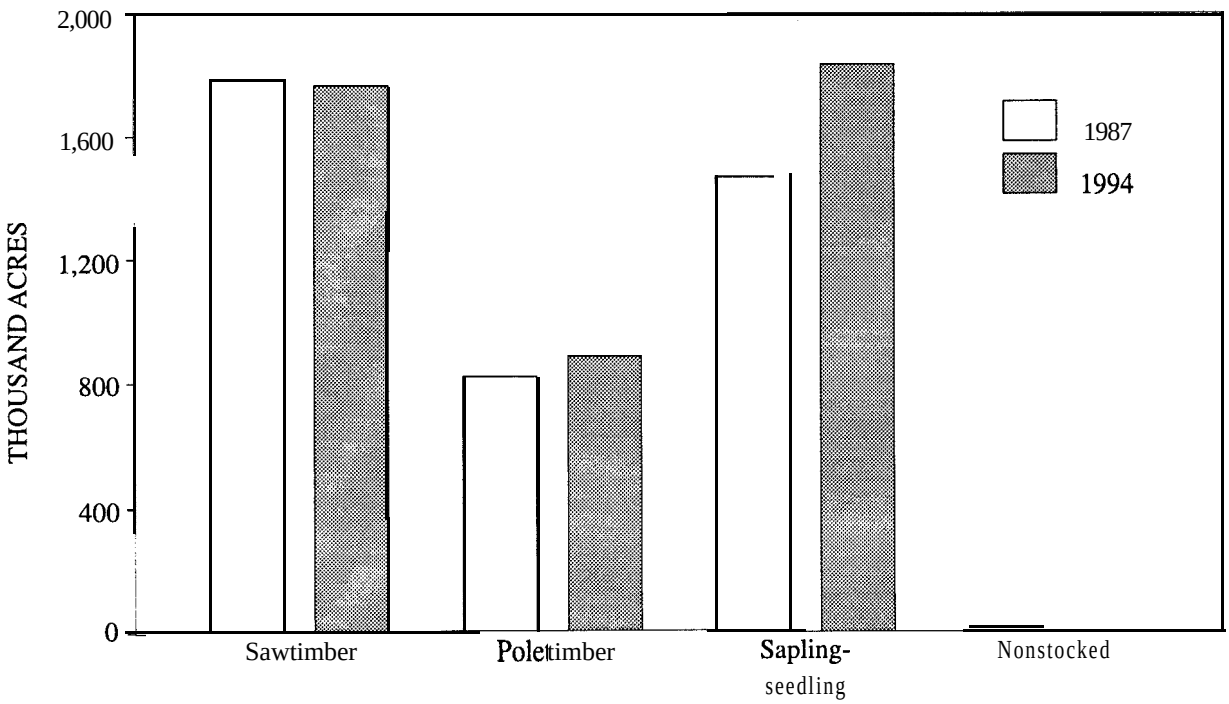

Figure 2.—*Area of* ***timberland by stand-size*** *class,* ***central Mississippi, 1987 and 1994.***

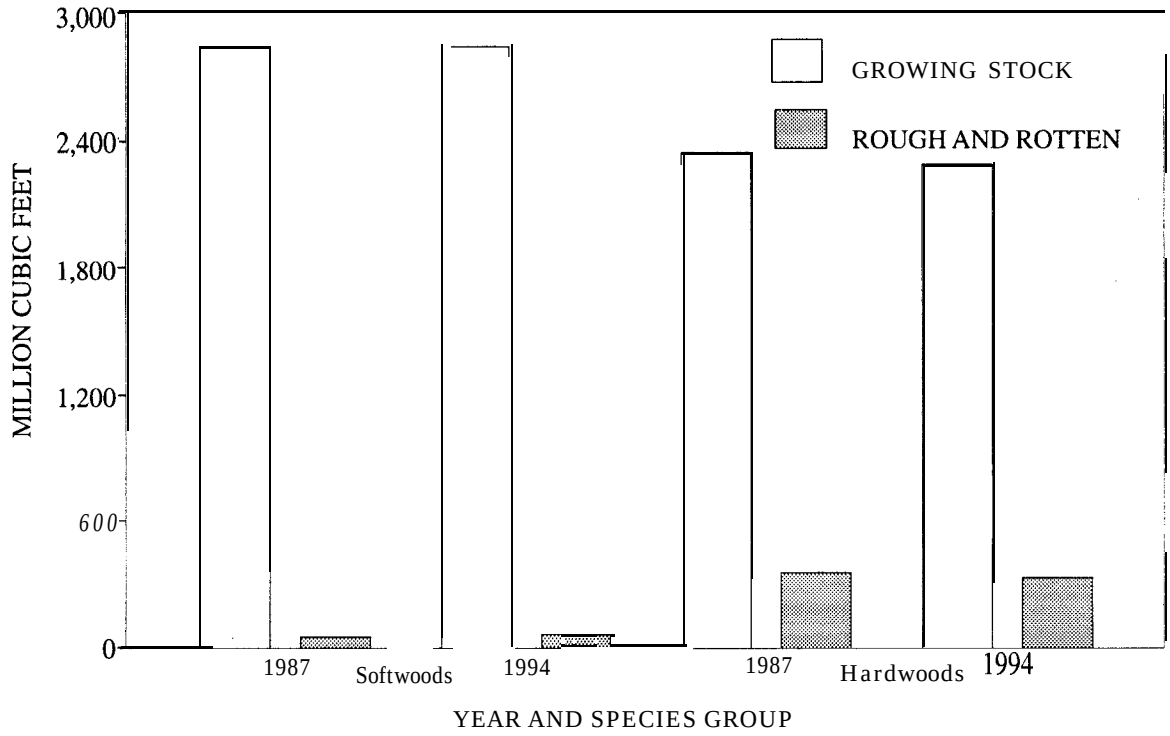

Figure 3.-*Volume of live trees on timberland by species group and class of timber, central Mississippi, 1987 and 1994,*

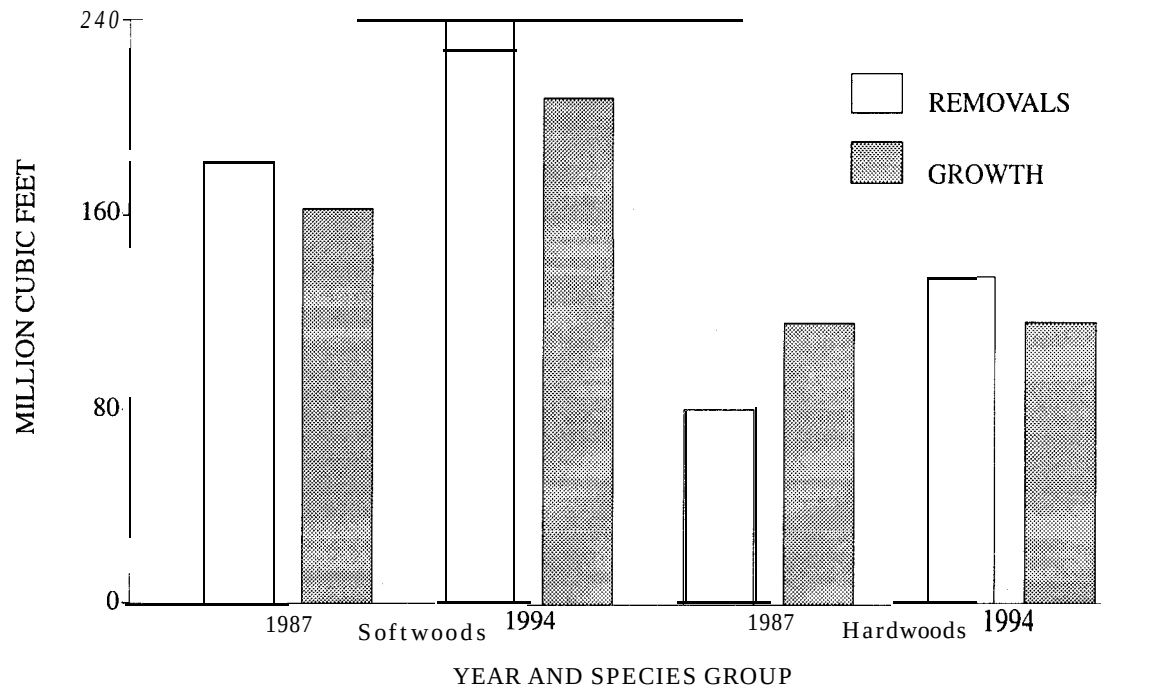

Figure 4.—*Average annual removals and average net annual growth of live trees on timberland by species group, central Mississippi, 1987 and 1994.*

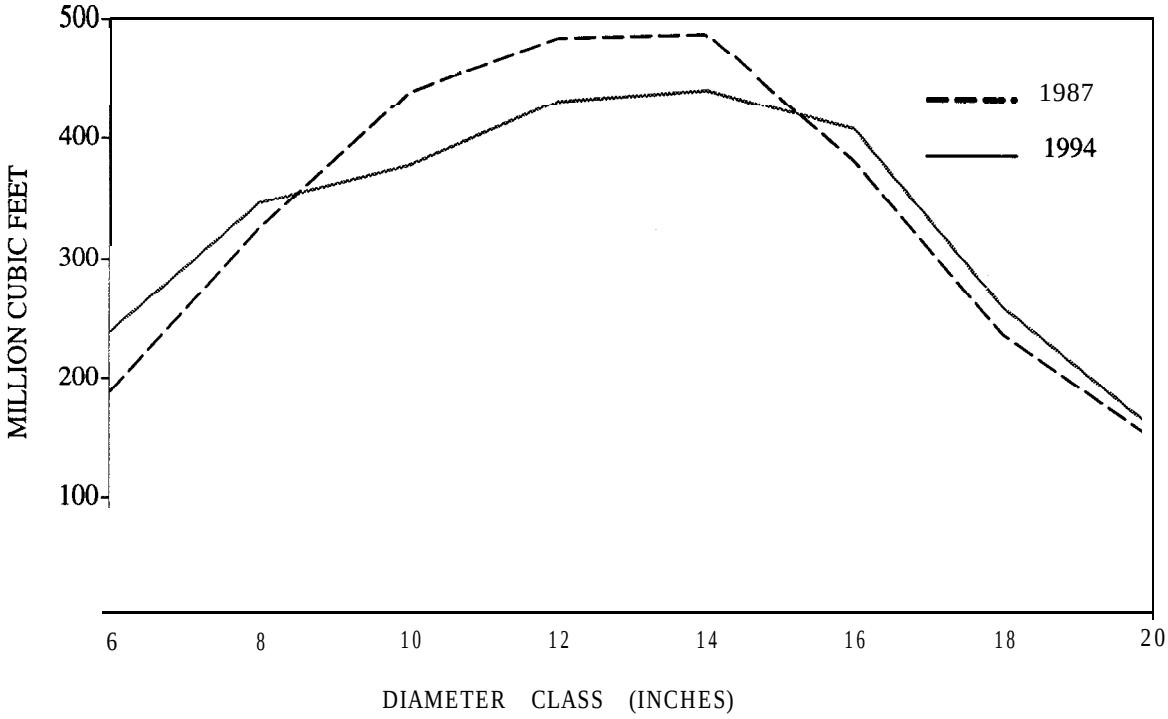

Figure 5.— *Volume of live sofiwood trees on timberland by diameter class, central Mississippi, 1987 and 1994.*

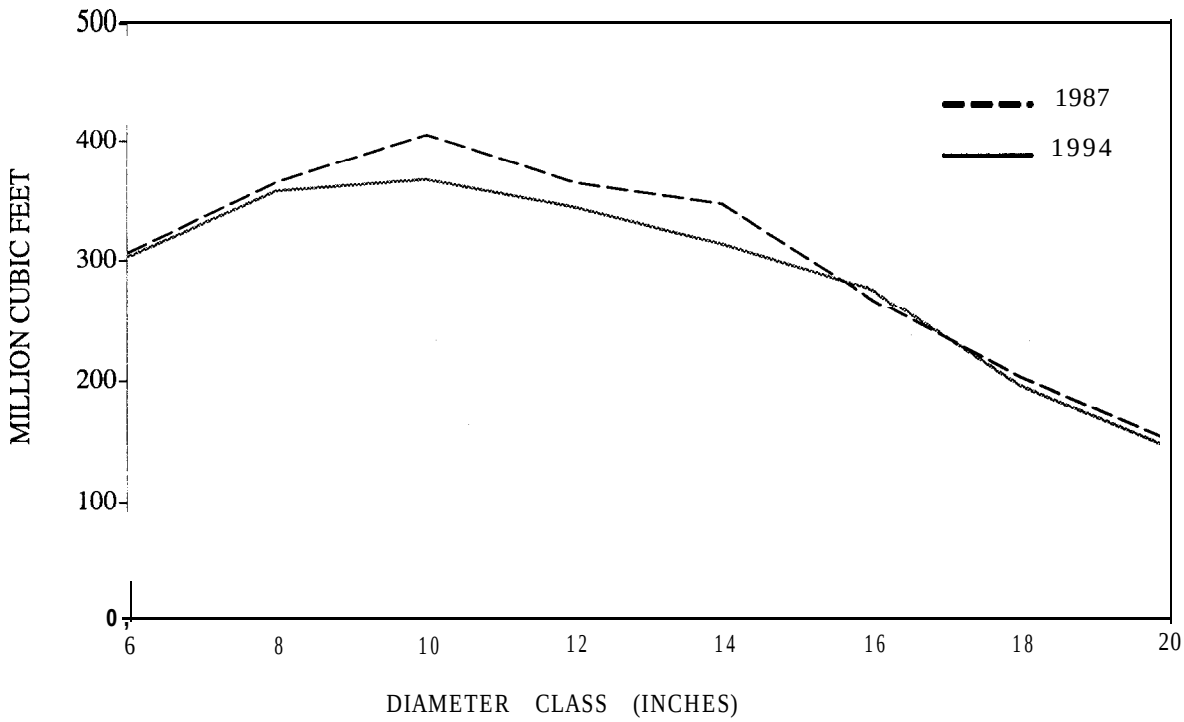

Figure 6.— *Volume of live hardwood trees on timberland by diameter class, central Mississippi, 1987 and 1994.*

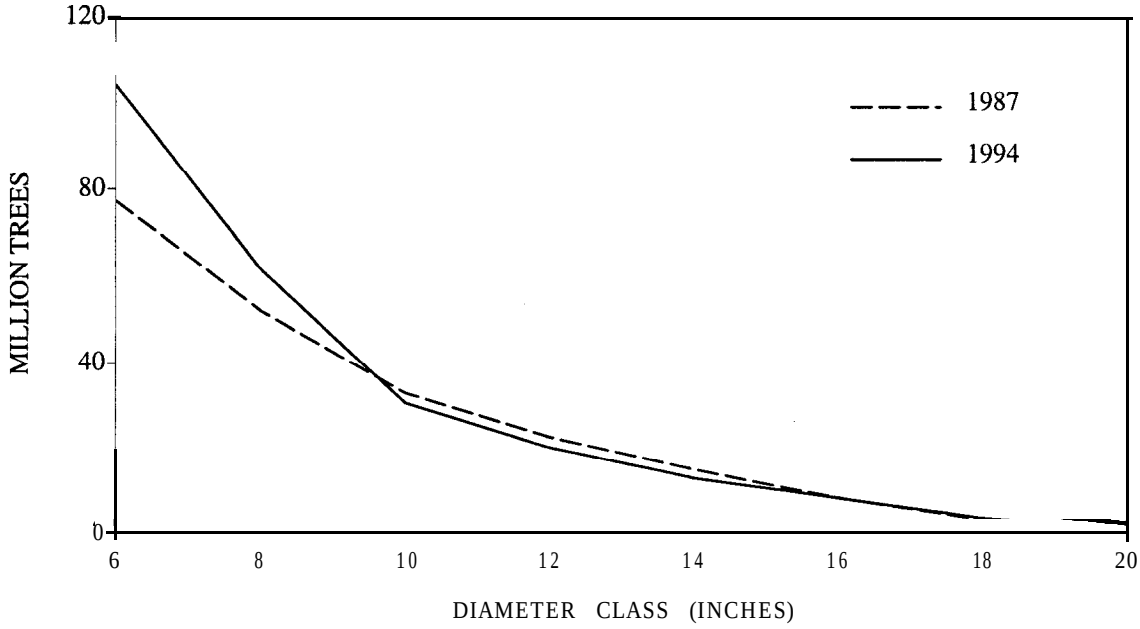

Figure 7.—*Number of live softwood trees on timberland by diameter class, central Mississippi, 1987 and 1994.*

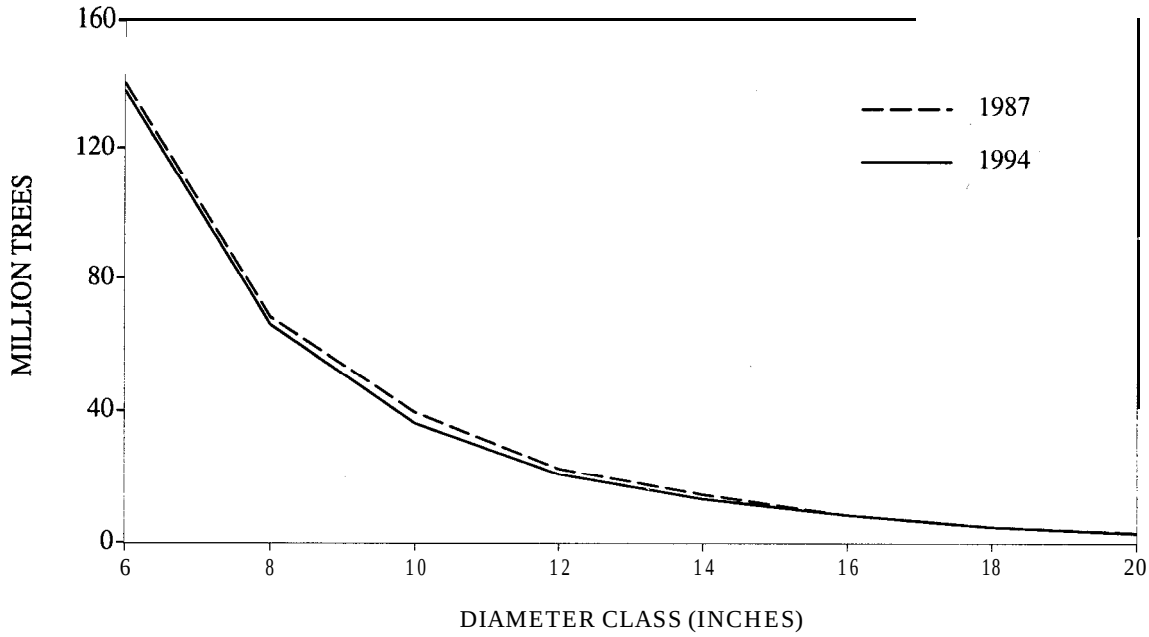

Figure 8.—*Number of live hardwood trees on timberland by diameter class, central Mississippi, 1987 and 1994.*

*U.S.GPO:1995-665-017/00034

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Tabulates forest resource information from a new inventory of the central counties of Mississippi.

Keywords: Area, forest type, ownership, stand size, volume.